

NOKIA

**VCR 3784 HIFI VPS/SV
VCR 3784 HIFI N/SV
VCR 3784 HIFI UK/VP**

Schaltbilder, Leiterplatten, Ersatzteile-Liste, Elektrischer 'Abgleich.

Mechanik-Justagen siehe nächste Seite.

Sicherheitsbauteil!



Dieses Symbol kennzeichnet in den Schaltbildern alle Bauteile, die nur durch Originalteile ersetzt werden dürfen.

Bei Reparaturen gültige Sicherheitsvorschriften beachten!

Circuit diagrams, P. C. B., spare parts list, electrical alignment.

Mechanical adjustments see next page.

Safety Component!



This symbol identifies in the circuit diagrams all safety critical parts. Replace only with specified part numbers.

Service and repair work to be performed only in accordance with existing safety regulations!

Schémas, circuits imprimés, liste des pièces détachées, alignement.

Mécanique ajustages voir page suivante.

Composant de protection!



Ce symbol indique tous les composants dans les schémas, qui doivent être remplacés uniquement par des pièces d'origines.

Pendant le dépannage, respecter les réglementations du sécurité!

Liste der Service-Manuale List of Service Manuals Liste des manuels	Elektrischer Abgleich, Schaltbilder, Leiterplatten, Ersatzteile-Liste	Mechanik-Justagen
Modell Model Modèle	Electrical alignment, circuit diagram, P.C.B., spare parts list Alignment, schémas circ. imprimés, liste des pièces détachées No.	Mechanical adjustments Mécanique ajustages No.
NOKIA VCR 3704 VPS NOKIA VCR 3704 NOKIA VCR 3704 EE	6611 74 35	NOTE! Manual 6611 74 46 is only a supplement for the '93 models. The Basic Manual is 6611 77 06. (1990).
LUXOR VCR 4704 SALORA VCR 624	6611 74 36	
NOKIA VCR 3744 VPS/SV NOKIA VCR 3744 SV NOKIA VCR 3744 UK/VP	6611 74 37	
LUXOR VCR 4744 SV SALORA VCR 824 SV	6611 74 38	
NOKIA VCR 3764 HIFI VPS NOKIA VCR 3764 HIFI N	6611 74 39	
LUXOR VCR 4764 HIFI N SALORA VCR 914 HIFI N	6611 74 40	
NOKIA VCR 3784 HIFI VPS/SV NOKIA VCR 3784 HIFI N/SV NOKIA VCR 3784 HIFI UK/VP	6611 74 41	
LUXOR VCR 4784 HIFI N/SV SALORA VCR 924 HIFI N/SV	6611 74 42	
NOKIA VCR 3724 UK/VP NOKIA VCR 3724 IR/VP	6611 74 43	
NOKIA VCR 3714 VPS/SV NOKIA VCR 3714 SV	6611 74 44	
NOKIA VCR 3784 HIFI IR/VP	6611 74 45	

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CIRCUIT DIAGRAMS (Refer to the separate volume)

1. DISASSEMBLY

1-1. REMOVAL OF CABINET, MECHANISM UNIT AND MAIN BOARD

REMOVING THE CABINET PARTS (Fig. 1.1.1)

1. Remove the cabinet and bottom cover by removing the four screws (A) and five screws (B).
2. Remove the front panel by removing the locks of the clamps (C) using a screwdriver, etc. and slightly rotating the bottom part in the direction of the arrow.

NOTE: Electrical adjustments for the this model can be performed with only the cabinet removed.

REMOVING THE MECHANISM MAIN UNIT (Fig.1.1.2)

After removing the cabinet parts:

1. Remove the 12-pin connector from CN511 and the two screws (D), and then remove the PW-1 PWB Ass'y.
2. Remove the two red screws (E), and then remove the TN-5 PWB. It is not necessary to remove the cables connected between the TN-5 PWB and CP-1 PWB Ass'y. (Except VCR 3784 HiFi VPS/SV)
3. Remove the 8-pin connector from the ACE head, and the 2-pin connector and 24-wire flat cable from the MC-2 PWB.
4. Remove the flat cable from the Cylinder Ass'y, then the two screws (F), and finally the VP-1PWB Ass'y. It is not necessary to remove the two party cables connected between the VP-1 PWB Ass'y and CP-1 PWB Ass'y.

5. Remove the mechanism main unit by removing the two screws (G) and two screws (H). Remove, as well, the two screws (J) at the cassette tray side while pressing the tray lock lever as shown in the enlarged view and pushing the cassette tray to the position where the two screws (J) appear.

REMOVING THE CP-1 PWB ASSEMBLY (Fig. 1.1.3)

After removing the cabinet parts and the mechanism unit:

1. Pull out the TM-1 PWB Ass'y from CN301 and CN302 while pressing and spreading out the four clamps (K) as shown by the arrows.
2. Remove the holder set to the opening of the chassis, while pressing the clamp in the direction of the arrow.
3. Remove the two red screws (L), and the screw (P). Next, remove the CP-1 PWB Ass'y by lifting it straight up while pressing and spreading out the two clamps (M) as shown by the arrows.

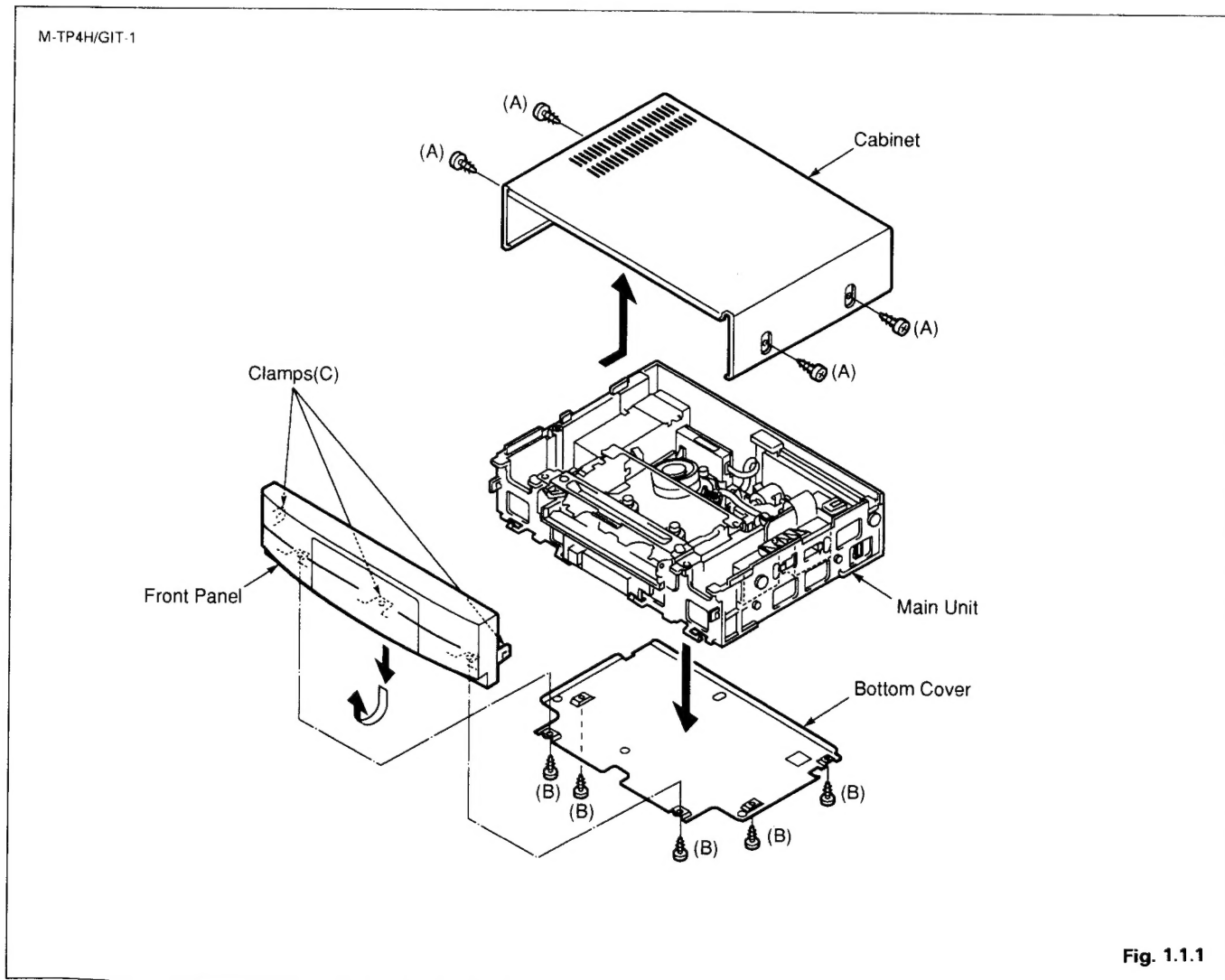


Fig. 1.1.1

M-TP4H/E-2

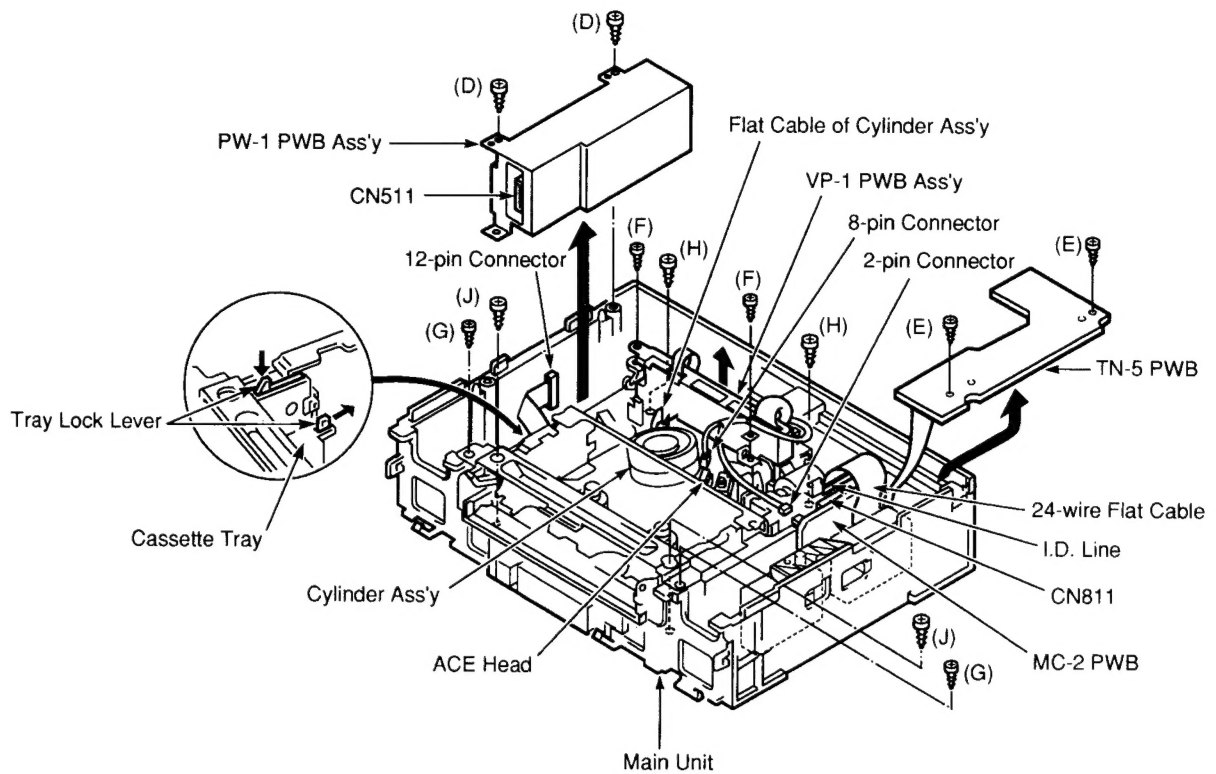


Fig. 1.1.2

M-TP4H/E-3

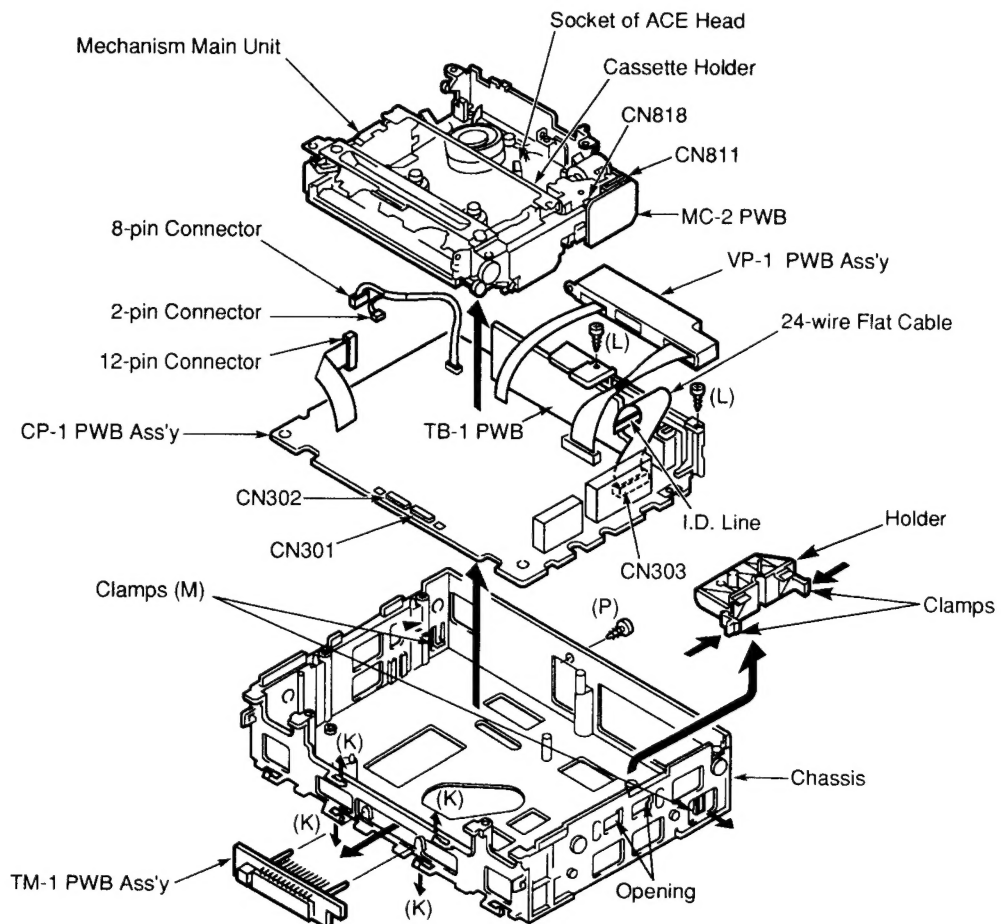
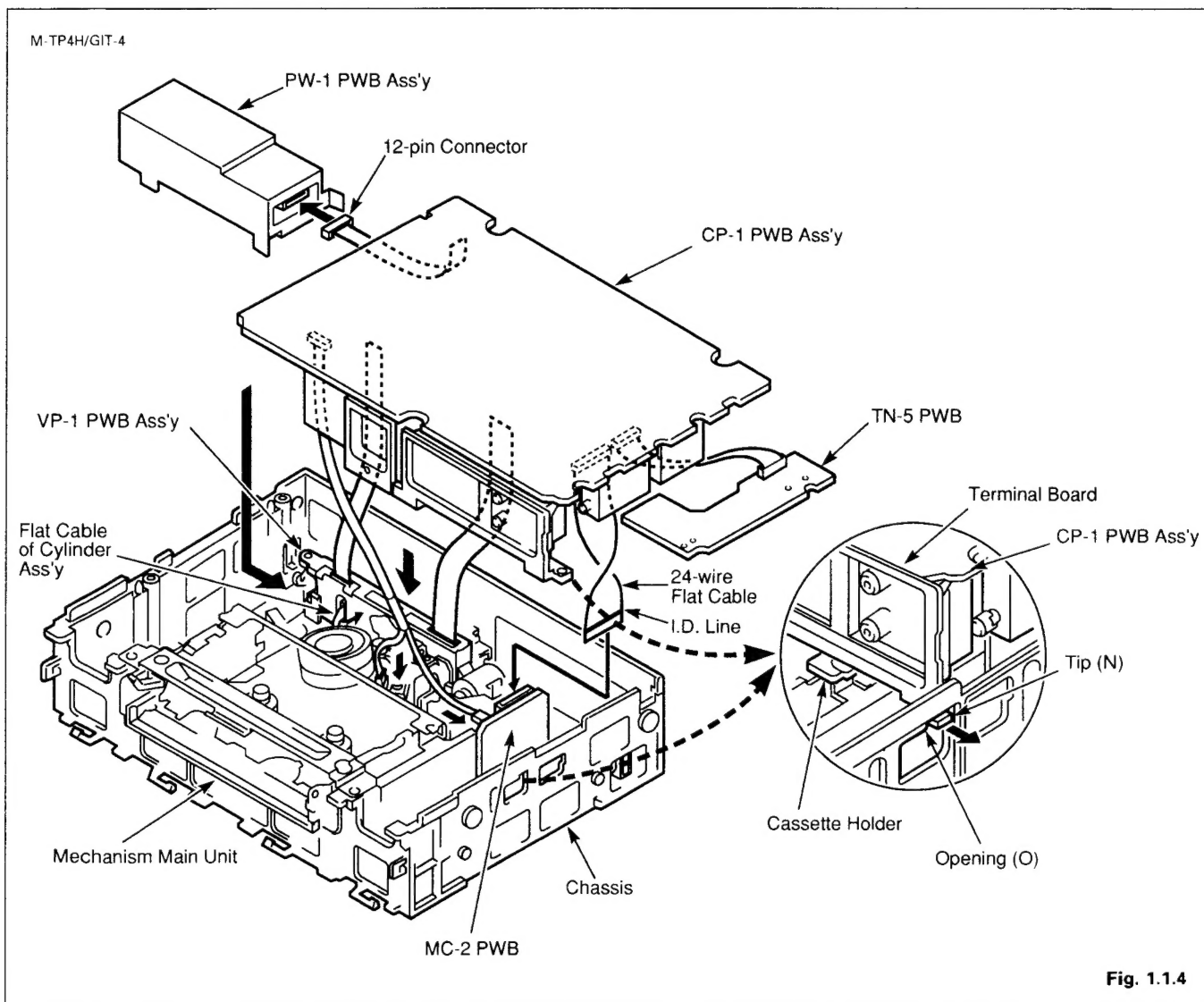


Fig. 1.1.3

TEMPORARILY SETTING UP AND CONNECTING MAIN PWB ASSEMBLY

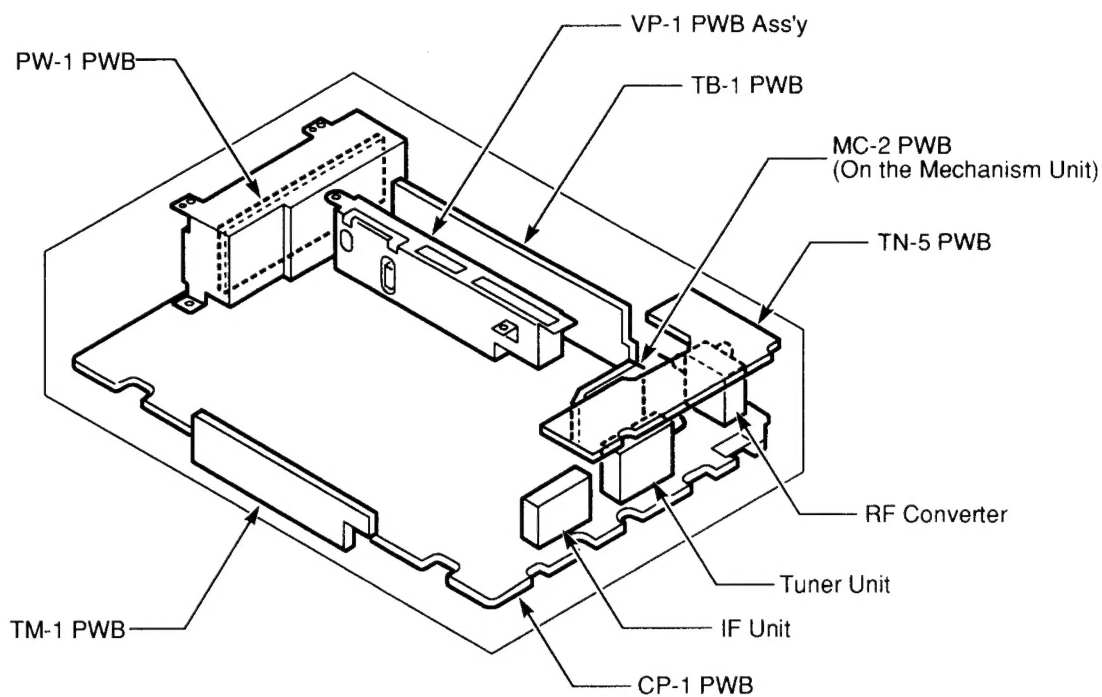
The following is an example of how to place and connect the main PWB not requiring a jig, when repairing the CP-1 PWB assembly (Fig. 1.1.4)

1. Place the mechanism main unit at the fixed position on the chassis.
2. Insert the VP-1 PWB Ass'y at the fixed position of the mechanism unit and connect the flat cable of the Cylinder Ass'y.
3. Connect the 24-wire flat cable and the 2-pin connector to the MC-2 PWB, and then connect the 8-pin connector to the ACE head.
4. Connect the TM-1 PWB Ass'y to operate the VCR by using the remote control, and then connect the 12-pin connector to the CN511 for the PW-1 PWB Ass'y.
5. Place the CP-1 PWB Ass'y above the mechanism main unit along the cassette holder. Insert the tip (N) of the terminal board into the opening (O) at the side of the chassis, as shown in the enlarge view.



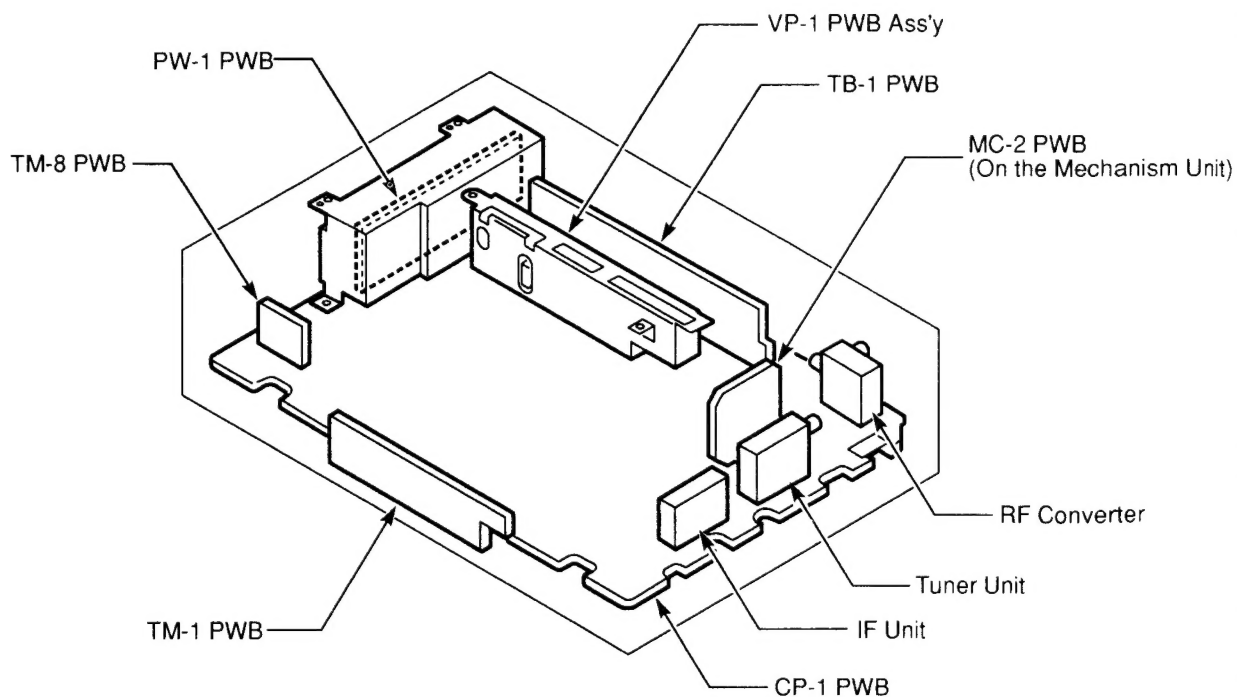
1-2. MAIN CIRCUIT BOARD LOCATIONS

L-TP4H/E



VCR 3784 HiFi N/SV, VCR 3784 HiFi UK/VP

L-TP4H/GIT



VCR 3784 HiFi VPS/SV

Fig. 1.2.1

2. ELECTRICAL ADJUSTMENT

PREPARATION

This VCR need 4 basic presetting by using the menus displayed on-screen.

After all connection have been made, then follow steps 1 to 4 to preset the VCR.

The 4 presetting steps will be displayed in sequence on TV screen. The setting are entered with the remote control.

Turn on the VCR

1. Adjusting the TV receiver to the video channel: The WELCOME screen will appear. When the video channel has been preset, press the OK button on the remote control.
 2. Language selection: Select the desired language, then press the OK button.
 3. Clock setting: Using the remote control numeric buttons, enter the date and time, press the OK button.
 4. Tuning control adjustments: When the channel position has been preset, press the MENU/TV button.
- When steps 1 to 4 have been finish, ready to operate the all operating mode.

2-1. SERVO CIRCUIT ADJUSTMENT

- These adjustments should be carried out upon completion of the tape transport adjustments.
- If the tape transport adjustments (except the tilt adjustment) are carried out after these adjustments, follow the procedures again in Section 2-1-3. SWITCHING POSITION ADJ.
- When a cassette tape is loaded, auto-tracking will be set immediately after starting the first playback. As this will deviate the tracking center set, be sure to press the channel buttons (Δ) or (∇) once directly after starting playback to prevent auto-tracking from being set.

2-1-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Oscilloscope	Vertical sensitivity: 5 mV/DIV, external trigger Band width: more than 10 MHz
Test Tape	VHJ-0009 or VHJ-0023: SP mode, monoscope, 6 KHz
Blank Tape	VHS-type cassette tape
Monitor TV	

2-1-2. LOCATION OF ADJUSTMENT POINTS

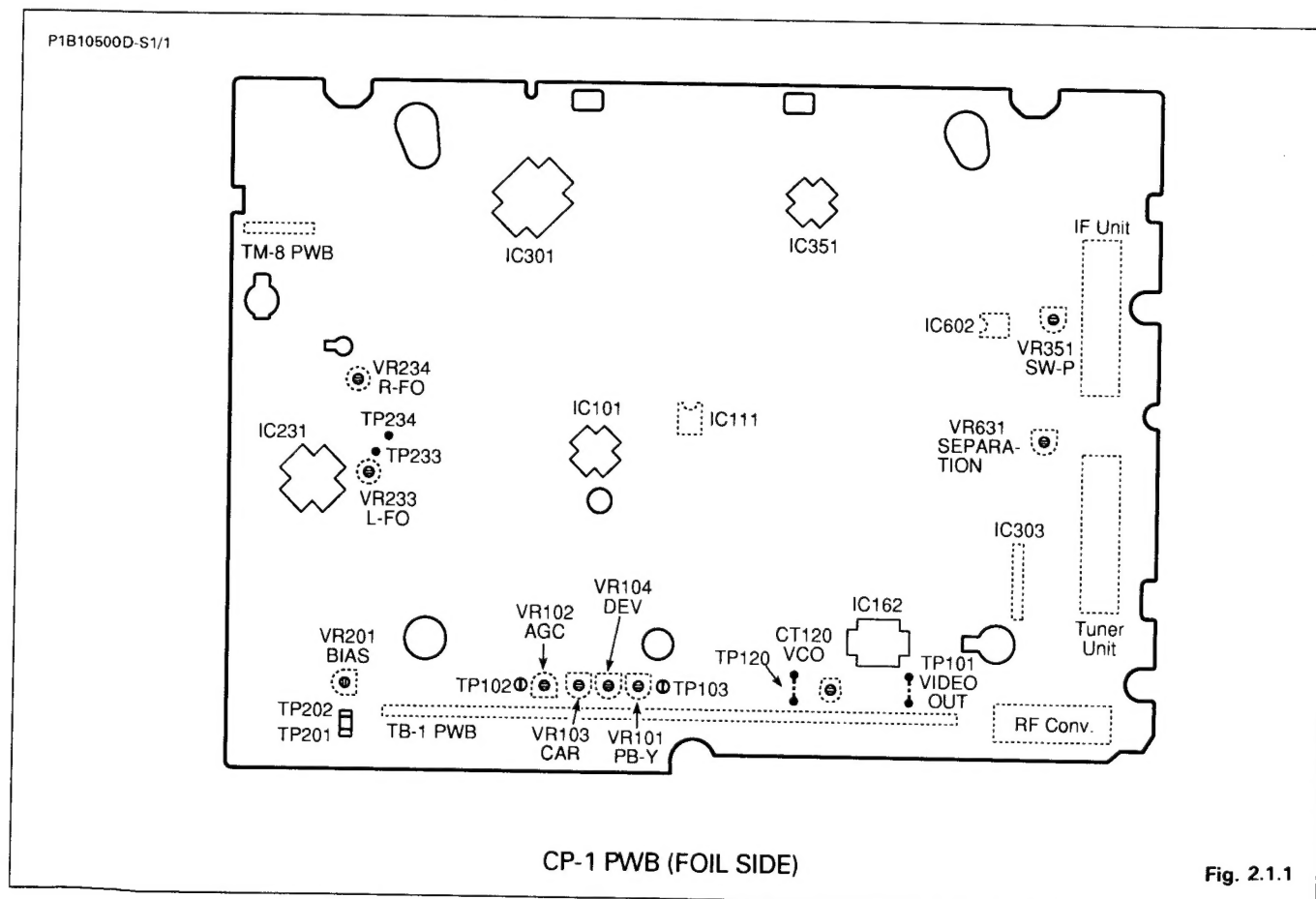
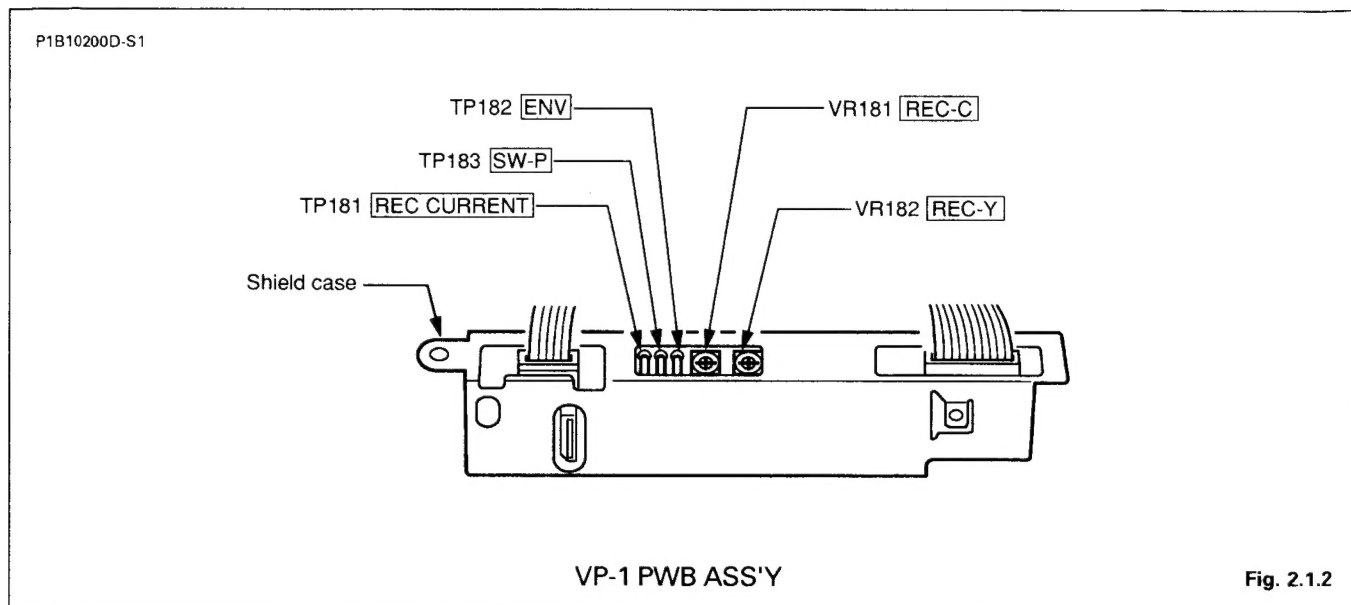


Fig. 2.1.1

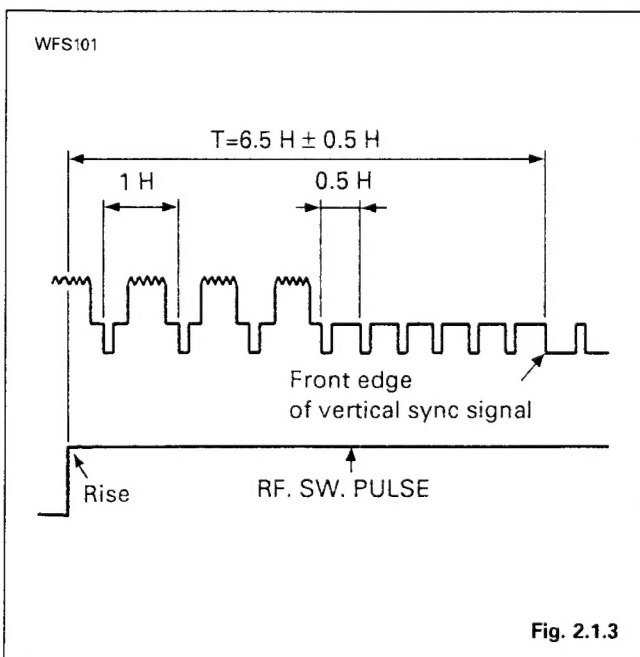
**NOTE:**

- Self-recording means "Record any broadcasting or video signal and play back the just-recorded portion".

2-1-3. SWITCHING POSITION ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
TP101 (VIDEO OUT) TP183 (SW-P)	Oscilloscope	PLAY(SP) mode Test tape (VHJ-0009 or VHJ-0023)
ADJ. Location		ADJ. Value
VR351 (SW-P)		$6.5 H \pm 0.5 H$

- Set the tracking control position to the center by pressing CHANNEL buttons (Δ) and (∇) simultaneously. (Tracking center position display in the indicator panel "T -:- ")
- Adjust VR351 (SW-P) so that the width "T" becomes $6.5 H \pm 0.5 H$ as shown in Fig. 2.1.3.

**2-1-4. STILL V-LOCK ADJ.**

Measuring Point	Measuring Equipment	ADJ. Condition
Picture of monitor TV	Color bar generator or Broadcasting Monitor	Self-recording (SP mode) STILL mode Blank tape
		Self-recording (LP mode) STILL mode Blank tape
ADJ. Location		ADJ. Value
CHANNEL (Δ) button CHANNEL (∇) button		The minimum vertical shake

- Playback the just-recorded portion and then set the VCR in the STILL mode.
- Press the CHANNEL (Δ) button or the CHANNEL (∇) button so that any vertical shake of the picture is brought to its minimum.

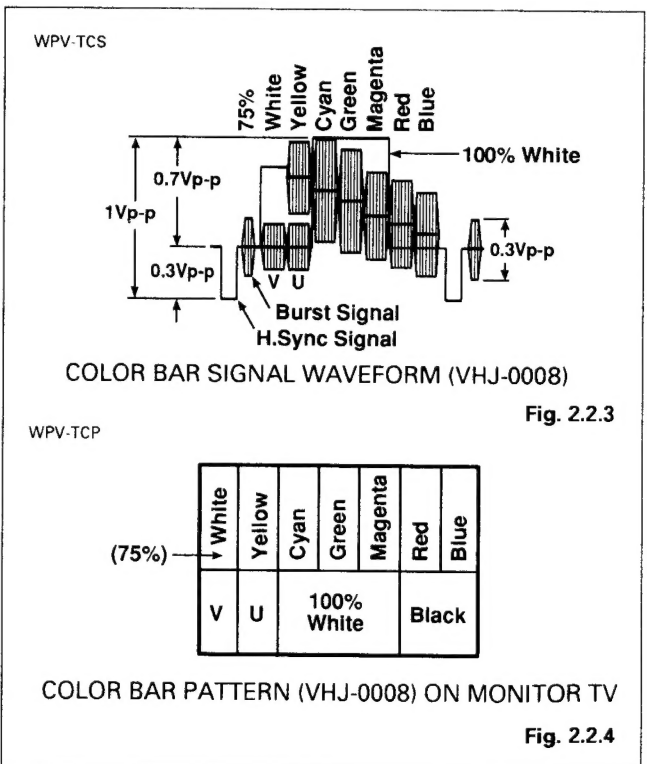
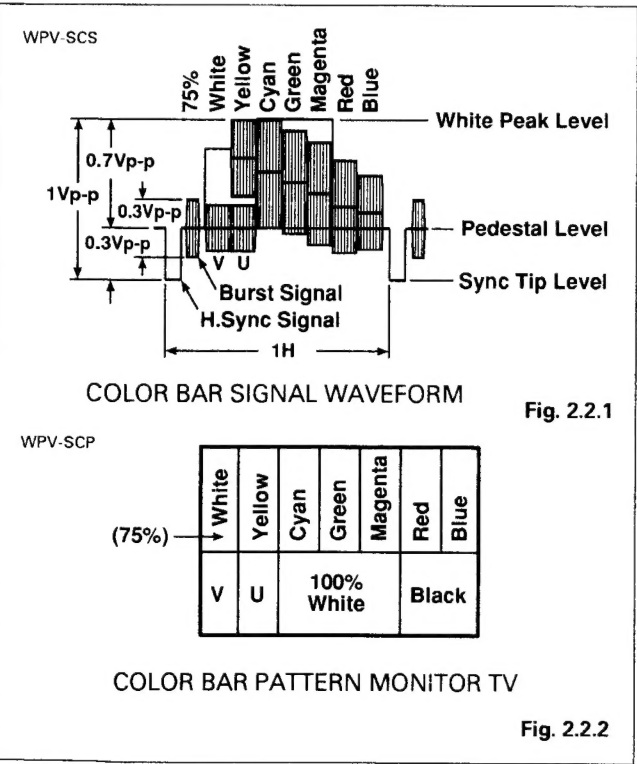
2-2. VIDEO CIRCUIT ADJUSTMENT

- Before making the following adjustments, Section 2-1. SERVO CIRCUIT ADJUSTMENT should be completed.
- Use the relay jig to provide simple adjustment of the VP-1 PWB Ass'y.

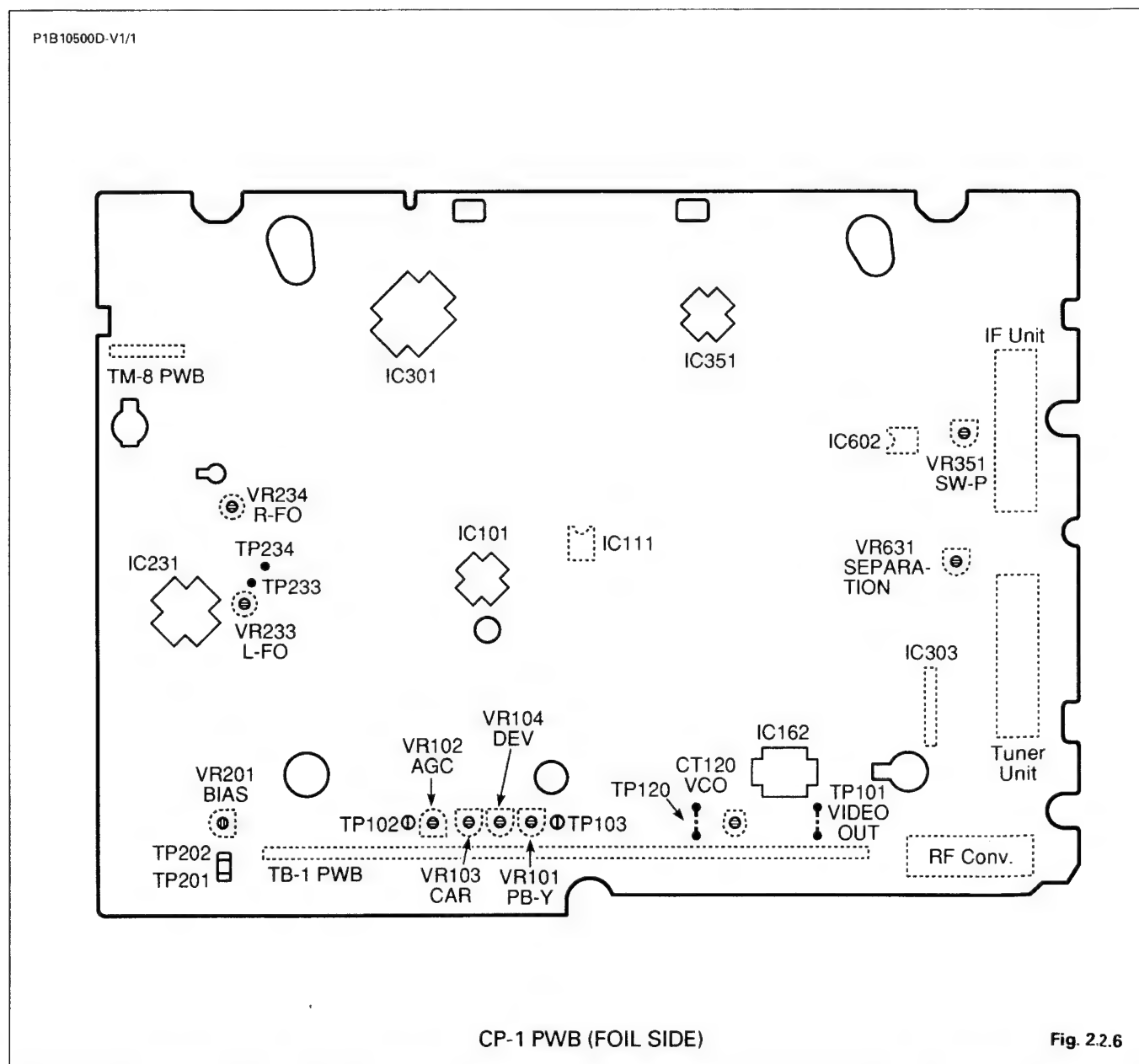
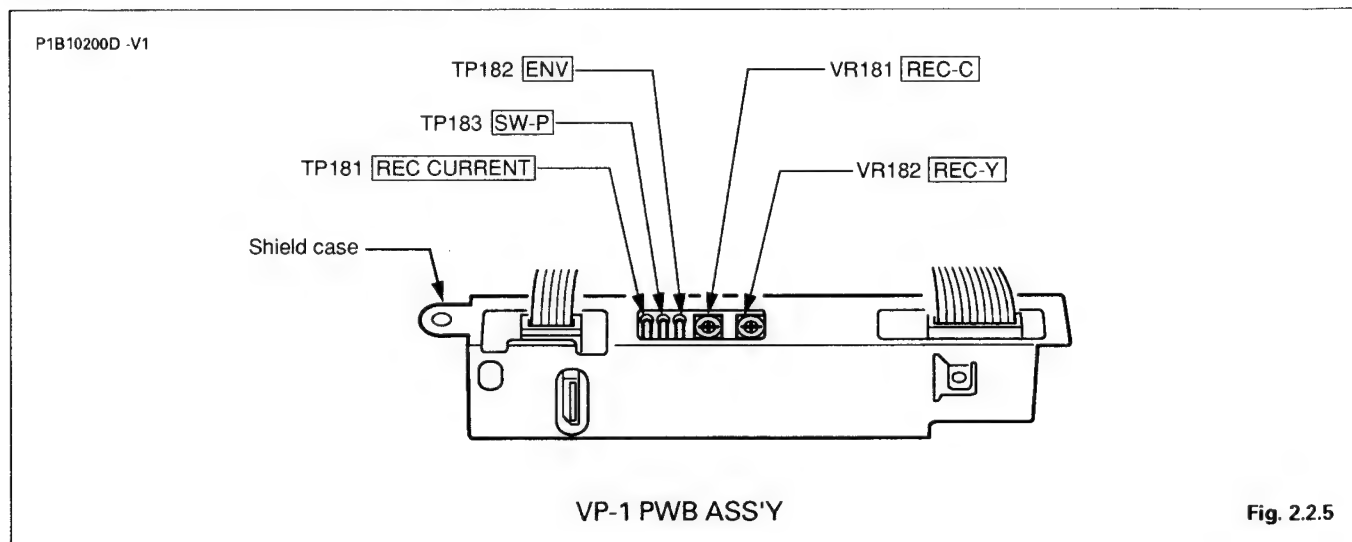
2-2-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Color Bar Signal Generator	PAL Color bar signal with 100% white level (EBU color bar signal) (Signal waveform is described below. Refer to Fig. 2.2.1)
Oscilloscope	Vertical sensitivity: 5 mV/DIV, external trigger Band width: more than 10 MHz
Digital Voltmeter	DC range
Test Tape	VHJ-0008 or VHJ-0023: SP mode, color bar, 1 kHz (Color bar signal waveform is described below. Refer to Fig. 2.2.3)
Blank Tape	VHS-type cassette tape
Oscilloscope Probe	Input capacity: less than 25 pF (10:1) less than 40 pF (1:1) Covering frequency: DC ~ 40 MHz (10:1) DC ~ 30 MHz (1:1)
Frequency Counter	8 significant digits
Adjustment Relay Jig	VHJ-0067: 12-wire flat cable for VP-1 PWB Ass'y

PAL TV TEST SIGNAL

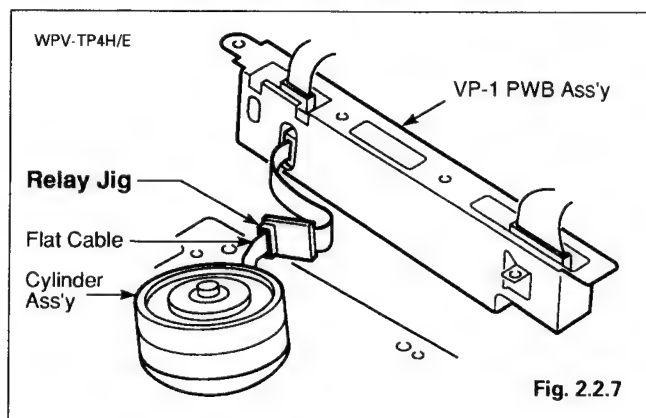


2-2-2. LOCATION OF ADJUSTMENT POINTS



2-2-3. ADJUSTMENT RELAY JIG

Connect the Flat cable end from the Cylinder Ass'y to the VP-1 PWB Ass'y using the Relay jig to provide simple repairing and adjustment of the VP-1 PWB Ass'y, as shown in Fig. 2.2.7. Further, when adjusting the VP-1 PWB Ass'y, be sure to make contact an end of Shield case with Bracket of the VP-1 PWB Ass'y to maintain the shield effect. If the VP-1 PWB Ass'y does not contact, there is insufficient ground and no proper play back image can be obtained.



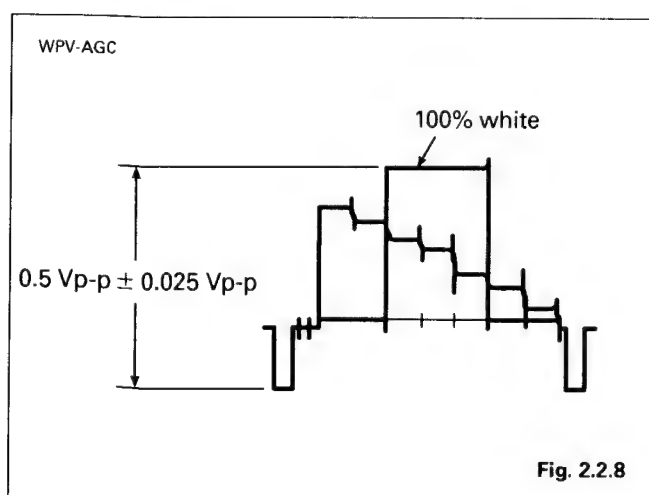
NOTES:

- Self-recording means "Record the video signal and play back the just-recorded portion".
- Connect the monitor TV to the VIDEO OUTPUT terminal (EURO-AV1 terminal pin 19), before making following adjustments.
- ASO HIGH button to the OFF position.

2-2-4. AGC LEVEL ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
TP102	Color bar generator Oscilloscope (10:1 probe)	E-E mode
ADJ. Location		ADJ. Value
VR102 (AGC)		$0.5 \text{ Vp-p} \pm 0.025 \text{ Vp-p}$

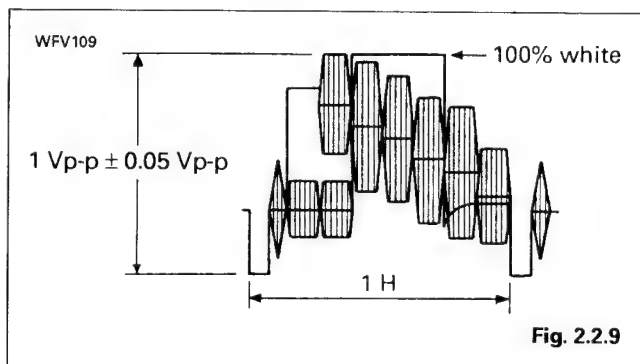
1. Connect the color bar generator to the VIDEO INPUT terminal (EURO-AV1 pin20).
2. Adjust VR102 (AGC) for $0.5 \text{ Vp-p} \pm 0.025 \text{ Vp-p}$ as shown in Fig. 2.2.8.



2-2-5. PB-Y LEVEL ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
TP101	Oscilloscope	PLAY(SP)mode Test tape (VHJ-0008 or VHJ-0023)
ADJ. Location		ADJ. Value
VR101 (PB-Y)		$1 \text{ Vp-p} \pm 0.05 \text{ Vp-p}$

1. Play back a test tape in SP mode.
2. Adjust VR101 (PB-Y) for the video luminance signal level of $1 \text{ Vp-p} \pm 0.05 \text{ Vp-p}$. (Refer to Fig. 2.2.9)



2-2-6. CARRIER SET ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
TP103	Color bar generator Frequency counter	REC (SP) mode
ADJ. Location		ADJ. Value
VR103 (CAR)		$3.83 \text{ MHz} \pm 0.05 \text{ MHz}$

1. Connect the color bar generator to the VIDEO INPUT terminal (EURO-AV1 pin 20).
2. After removing the first color bar signal input from the video input terminal, immediately adjust VR103 (CAR) so that the frequency becomes $3.83 \text{ MHz} \pm 0.05 \text{ MHz}$.

2-2-7. VCO (on screen assist) ADJ.

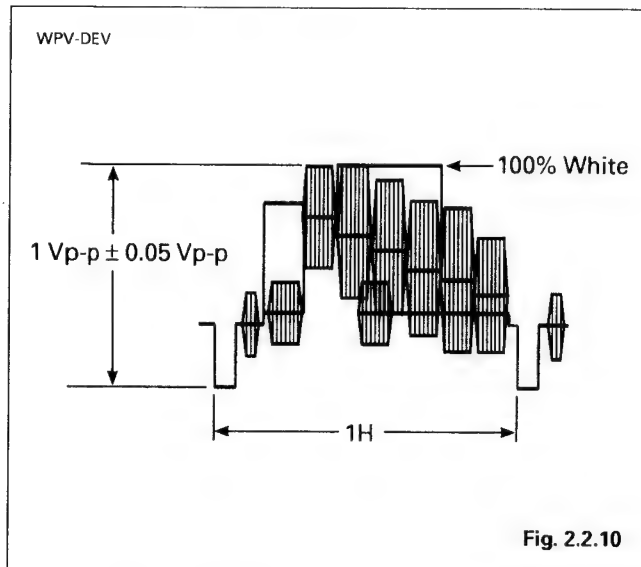
Measuring Point	Measuring Equipment	ADJ. Condition
TP120	Color bar generator Digital voltmeter	E-E mode
ADJ. Location		ADJ. Value
CT120 (VCO)		$2.5 \text{ Vp-p} \pm 0.3 \text{ Vp-p}$

1. Connect the digital voltmeter (DC range) to TP120 and GND.
2. Adjust CT120 (VCO) so that the voltage is $2.5 \text{ V} \pm 0.3 \text{ V}$.

2-2-8. DEVIATION ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
TP101	Color bar generator Oscilloscope	Self-recording (SP) mode Blank tape
ADJ. Location		ADJ. Value
VR104 (DEV)		1 Vp-p \pm 0.05 Vp-p

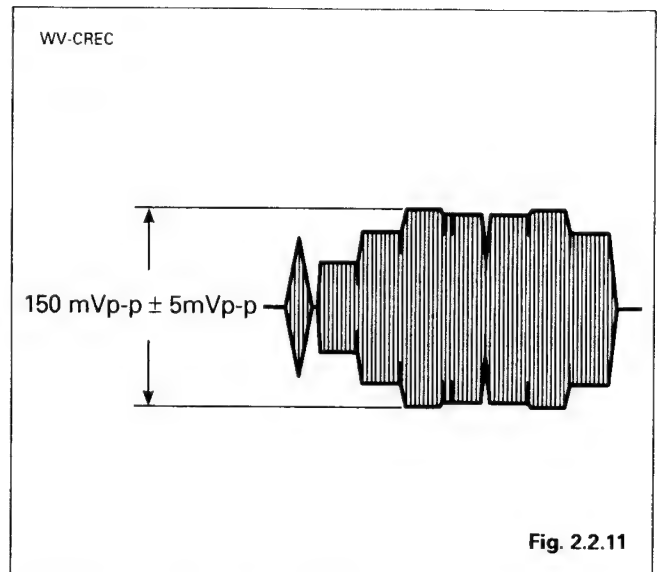
1. Record the color bar signal on the blank tape.
2. Play back of the just-recorded portion.
3. Adjust VR104 (DEV) for **1 Vp-p \pm 0.05 Vp-p** as shown in Fig. 2.2.10.
4. If the adjustment value is not satisfactory, adjust VR104 (DEV) and repeat steps 2 to 3.



2-2-9. C REC CURRENT ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
TP181 (on VP-1 PWB)	Color bar generator Oscilloscope (1:1 probe)	REC (SP) mode Blank tape
ADJ. Location		ADJ. Value
VR181 (REC-C)		150 mVp-p \pm 5 mVp-p

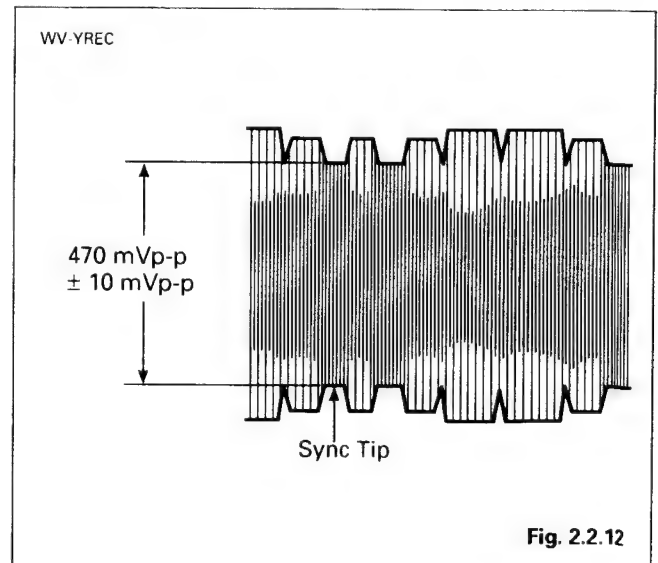
1. Connect the ground of the oscilloscope to the shield case of the VP-1 PWB Ass'y.
2. Adjust VR182 (REC-Y) for the minimum video luminance signal level.
3. Adjust VR181 (REC-C) so that the video chrominance signal level is **150 mVp-p \pm 5 mVp-p**. (Refer to Fig. 2.2.11)



2-2-10. Y REC CURRENT ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
TP181 (on VP-1 PWB)	Color bar generator Oscilloscope (1:1 probe)	REC(SP)mode Blank tape
ADJ. Location		ADJ. Value
VR182 (REC-Y)		470 mVp-p \pm 10 mVp-p

1. Connect the ground of the oscilloscope to the shield case of the VP-1 PWB Ass'y.
2. Adjust VR182 (REC-Y) so that the video luminance signal level at the sync tip is **470 mVp-p \pm 10 mVp-p**. (Refer to Fig. 2.2.12)



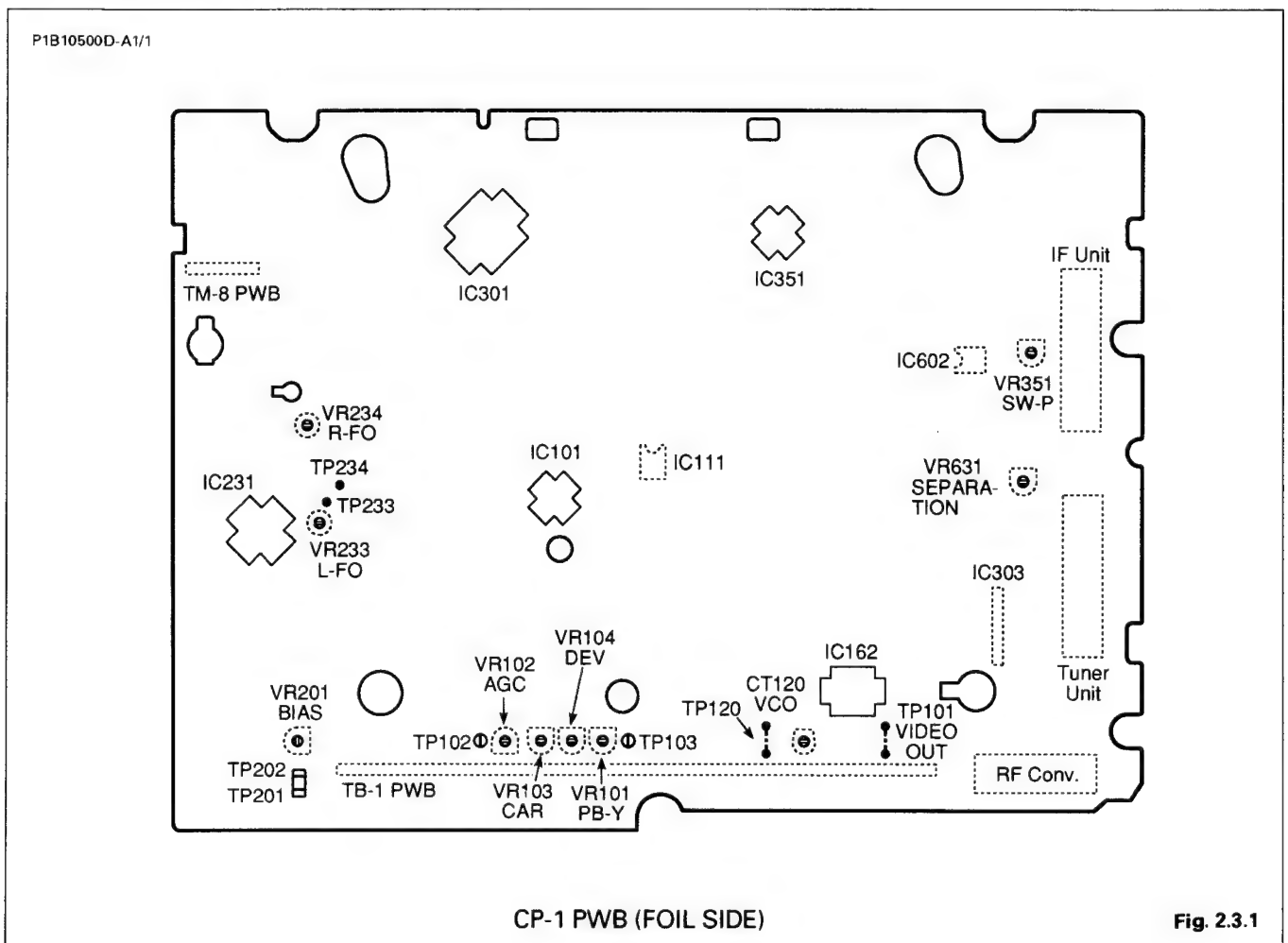
2-3. AUDIO FM (Hi-Fi)/ NORMAL CIRCUIT ADJUSTMENT

- Before making these adjustments, (especially, the tape guide height and audio control erase head height adjustments) should be carried out, so that the tape traveling between the loading guide pole and the audio control erase head runs without fluttering, twisting, curling.
- Before making these adjustments, Section 2-1. SERVO and Section 2-2. VIDEO circuit adjustments should be carried out.

2-3-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Standard Audio Signal Generator (SG)	Output frequency : 10 Hz ~ 100 kHz Output level : more than 1 Vrms Output impedance : 600 Ω Distortion ratio : less than 0.1% Output in use SG : Frequency: 400 Hz, 10 kHz (switchable) Output level: -33.8 dBs ± 0.5 dB
Color Bar Signal Generator	Color bar signal with 100% white level. (Signal waveform is described before. Refer to Fig. 2.2.1)
Oscilloscope	Vertical sensitivity : 10 mV/DIV Band width : more than 30 MHz
AC Voltmeter	Effective value indication Input frequency : 10 Hz ~ 20 kHz Input Impedance : more than 1 MΩ Measurement level : 1mV (full scale)
Frequency Counter	Input frequency : 20 Hz ~ 10 MHz
Blank Tape	VHS-type cassette tape

2-3-2. LOCATION OF ADJUSTMENT POINTS



AUDIO NORMAL CIRCUIT

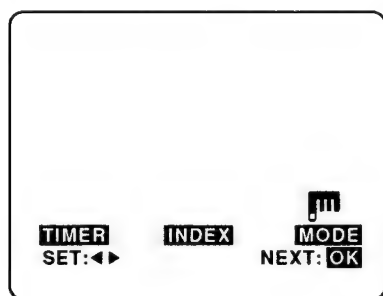
NOTES:

- Set the following switch or On-screen menu to the positions indicated below, before making following adjustments.

SWITCH or ON-SCREEN MENU	POSITION
TAPE SPEED	SP
O/AV	AV
AV (VCR 3784 HIFI UK/VP only)	AV1
AUDIO	MONO

To select AV and AUDIO mode

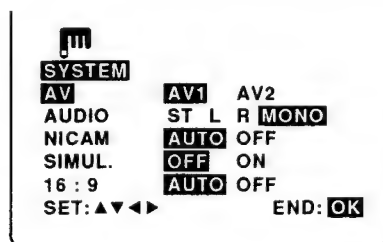
- Press the MENU/TV button on the remote control, The MAIN MENU appears.
"MODE" is selected, then press the OK button.



- MODE SETTING menu will appear.
"SYSTEM" is selected, then press the OK button.



- RECORDING AND PLAYBACK SYSTEM SETTING menu will appear.
"AV" : "AV1" and "AUDIO" : "MONO" are selected, press the OK button.
"AV" mode is installed on VCR 3784 HIFI UK/VP only, and "NICAM" on VCR 3784 HIFI UK/VP, VCR 3784 HIFI N/SV only.



- Self-recording means "Record the AUDIO signal and play back the just-recorded portion."

2-3-3. BIAS LEVEL ADJ.

[A]

Measuring Point	Measuring Equipment	ADJ. Condition
TP201 (HOT) TP202 (GND)	Oscilloscope AC voltmeter Frequency counter	REC (SP) mode Blank tape
ADJ. Location		ADJ. Value
VR201 (BIAS)		24 mVrms

- Load the VCR with a blank tape and select the SP record mode without all incoming signal.
- After confirming on the oscilloscope that a 70 kHz sine wave is being output, adjust VR201 (BIAS) so that the AC voltmeter's reading is **24 mVrms**.

[B]

Measuring Point	Measuring Equipment	ADJ. Condition
AUDIO OUTPUT terminal (EURO-AV pin3: Lch)	Oscilloscope AC voltmeter Standard audio signal generator (SG: signal -33.8 dBs, 400 Hz -33.8 dBs, 10 kHz)	Self-recording (SP mode) Blank tape)
ADJ. Location		ADJ. Value
VR201 (BIAS)		-4 dB ~ +4 dB between 400 kHz and 10 kHz

- Connect the standard audio signal generator to the AUDIO INPUT terminal (EURO-AV1 pin6: Lch).
- Set the standard audio signal generator's output level to -33.8 dBs.
- Set the standard audio signal generator's frequency to 400 Hz and then 10 kHz. Record each of these frequency signals.
- Play back each of the just-recorded portion.
- Confirm that the 10 kHz level on AC voltmeter's reading is **from -4 dB to +4 dB**, compared with 400 Hz level.
- If the 10 kHz level is less than -4 dB below 400 Hz level or more than +4 dB above 400 Hz level, Rotate VR201 (BIAS) slightly to adjust it.
- Repeat steps 3 through 6 if necessary.

AUDIO FM (Hi-Fi) CIRCUIT

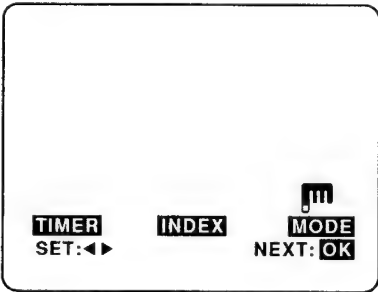
NOTES:

- Before making these adjustments, check that the surface of the parts touching the tape such as the A-FM head or guides are clean.
- Set the following switch or On-screen menu to the positions indicated below, before making following adjustments.

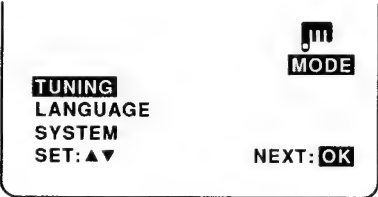
SWITCH or ON-SCREEN MENU	POSITION
TAPE SPEED	SP
O/AV	AV
AV (VCR3784 HIFI UK/VP only)	AV1
AUDIO	ST

To select AV and AUDIO mode

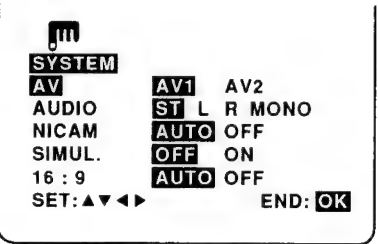
1. Press the MENU/TV button on the remote control, The MAIN MENU appears.
"MODE" is selected, then press the OK button.



2. MODE SETTING menu will appear.
"SYSTEM" is selected, then press the OK button.



3. RECORDING AND PLAYBACK SYSTEM SETTING menu will appear.
"AV" : "AV1", "AUDIO" : "ST" are selected, press the OK button. "AV" mode is installed on VCR 3784 HIFI UK/VP only, and "NICAM" on VCR 3784 HIFI UK/VP, VCR 3784 HIFI N/SV only.



2-3-6. A-FM CARRIER FREQUENCY ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
TP233 (1.4 MHz) TP234 (1.8 MHz)	Frequency counter	REC (SP) mode Blank tape
ADJ. Location		ADJ. Value
VR233 (L-FO)		1.4 MHz +4/-6 kHz
VR234 (R-FO)		1.8 MHz +4/-6 kHz

1. Connect a frequency counter to TP233 (Lch), TP234 (Rch) and ground.
2. Adjust VR233 (L-FO) so that in the zero level signal status the frequency at TP233 becomes **1.4 MHz +4/-6 kHz**.
3. Adjust VR234 (R-FO) so that in the zero level signal status the frequency at TP234 becomes **1.8 MHz +4/-6 kHz**.

2-4. TUNER AND IF CIRCUITS ADJUSTMENT

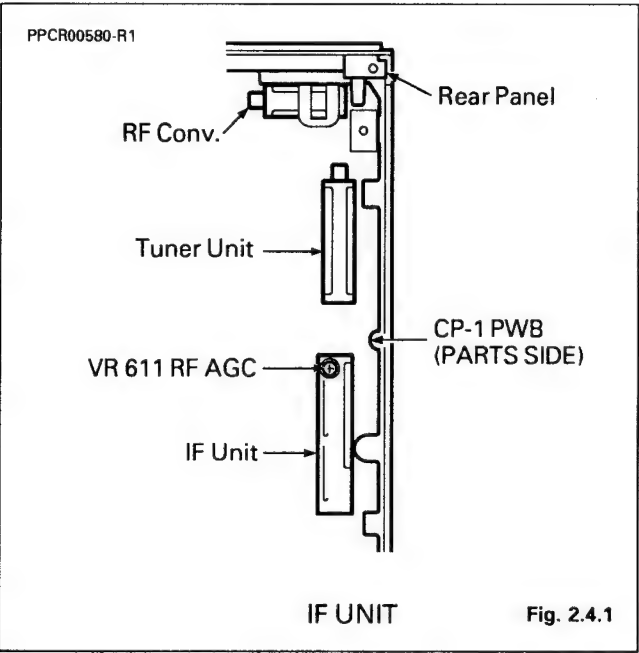
- When any malfunction occurs in the TUNER circuit the whole unit must be replaced.
- An adjustment of the IF circuit is shown as follows.

NOTE: The TUNER unit does not need any adjustments, because precise adjustments have been done before shipment.

2-4-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Monitor TV	
------------	--

2-4-2. LOCATION OF ADJUSTMENT POINT



2-4-3. RF AGC ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
Picture of monitor TV	Monitor TV	E-E mode
ADJ. Location		ADJ. Value
VR611 (RF AGC) (on the IF circuit)		S/N is best point

1. Connect the monitor TV to ANTENNA OUTPUT terminal.
2. Connect the VHF or UHF antenna to ANTENNA INPUT terminal.
3. Receive the middle electrical field (70 dB μ ~ 90 dB μ) of the VHF high or UHF channel, and slowly turn VR611 (RF AGC) from the point where snow-noise is present to the point where it just disappears from the monitor TV.
4. Confirm by monitor TV that there is no beat and saturation (S/N is best point) when receiving any TV channel.

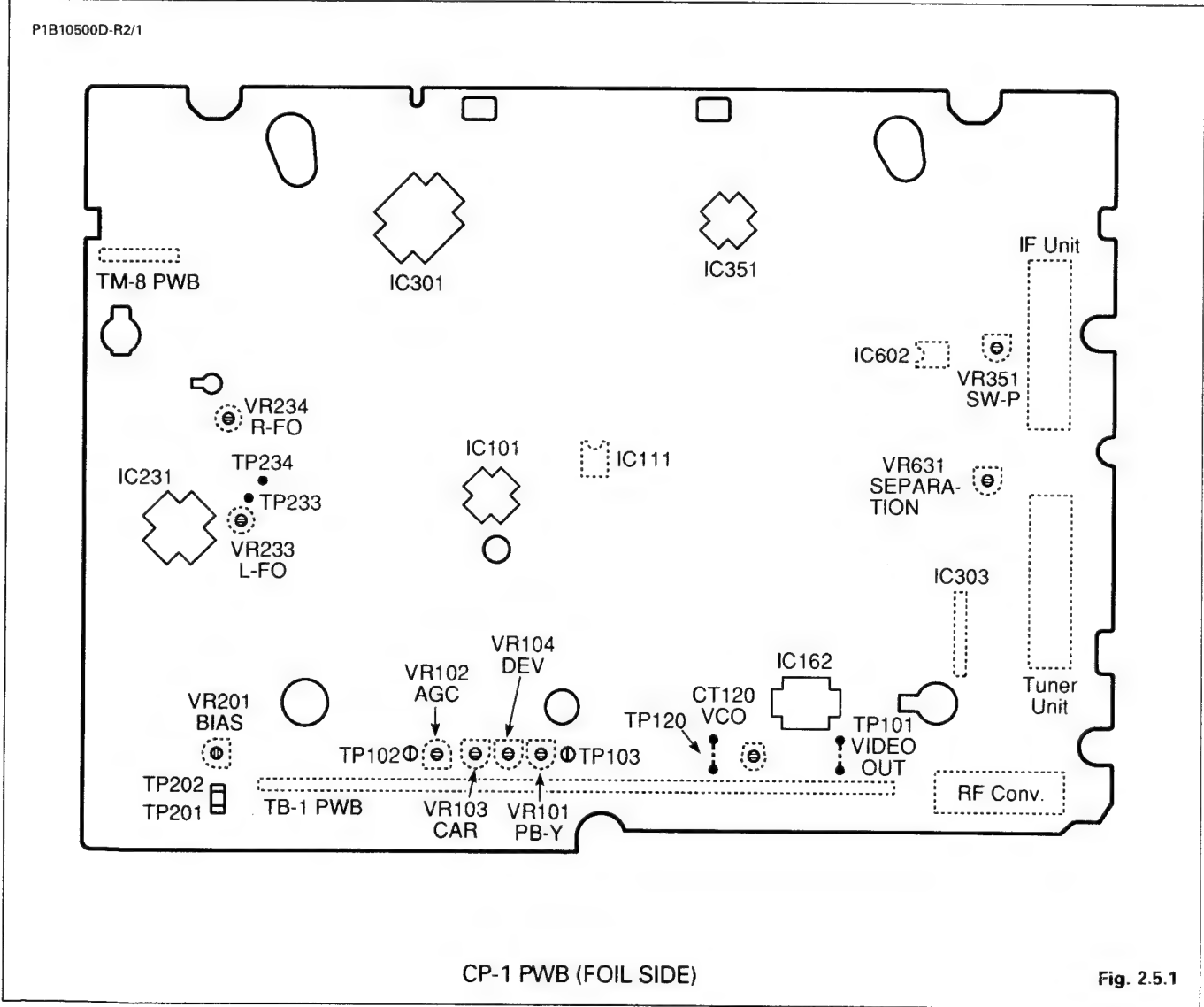
2-5. MTS DECODER CIRCUIT ADJUSTMENT

- If adjusting the MTS Decoder circuit, special equipment shown in section 2-5-1. is necessary.
- Improper adjustment will cause loss of performance of Stereo Sound and Bilingual Sound detection.
- Prior to making these adjustments, the other adjustments except the MTS Decoder should be completed.

2-5-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Audio Multiplex TV signal Generator	
Oscilloscope	
AC Voltmeter	
Band Path Filter	200 Hz ~ 15 kHz

2-5-2. LOCATION OF ADJUSTMENT POINTS



AUDIO FM (Hi-Fi) CIRCUIT

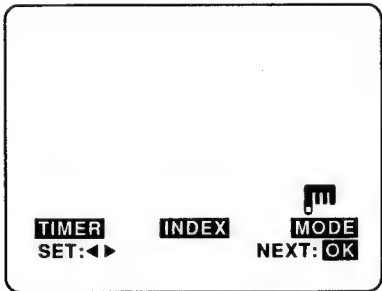
NOTE:

- Set the following switch or On-screen menu to the positions indicated below, before making following adjustments.

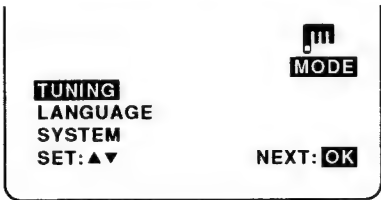
SWITCH or ON-SCREEN MENU	POSITION
TAPE SPEED	SP
O/AV	AV
AV (VCR 3784 HIFI UK/VP only)	AV1
AUDIO	ST

To select AV and AUDIO mode

- Press the MENU/TV button on the remote control, The MAIN MENU appears.
"MODE" is selected, then press the OK button.



- MODE SETTING menu will appear.
"SYSTEM" is selected, then press the OK button.



- RECORDING AND PLAYBACK SYSTEM SETTING menu will appear.
"AV" : "AV1", "AUDIO" : "ST" are selected, press the OK button. "AV" mode is installed on VCR 3784 HIFI UK/VP only, and "NICAM" on VCR 3784 HIFI UK/VP, VCR 3784 HIFI N/SV only.



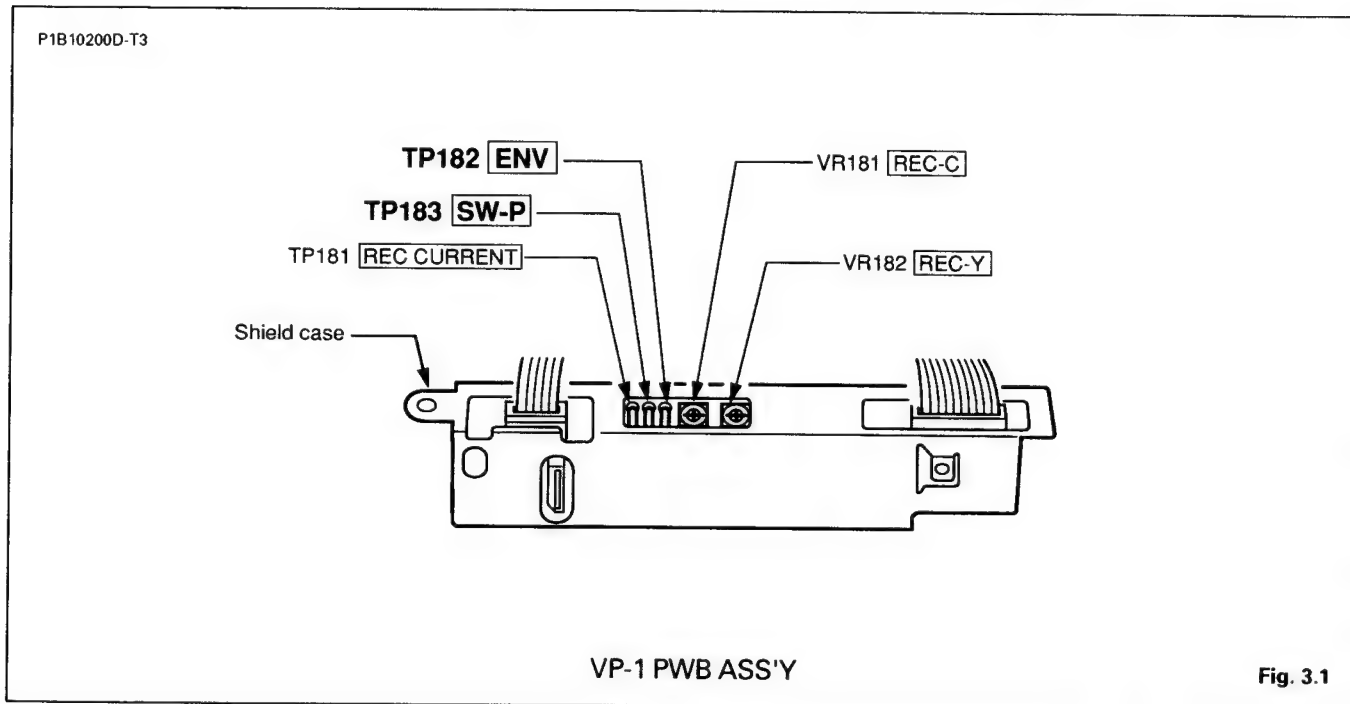
2-5-3. SEPARATION ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
AUDIO OUTPUT Terminal EURO AV1 pin3 (Lch)	Audio Multiplex TV signal generator Oscilloscope Band path filter (200 Hz ~ 15 kHz)	E-E mode
ADJ. Location		ADJ. Value
VR631 (SEPARATION)		Minimum level

- Input the output signal of the Audio Multiplex TV signal generator into the VCR ANT input terminal.
- Connect the oscilloscope to the AUDIO OUTPUT terminal EURO AV1 pin3 (Lch) of the VCR via the BPF.
- Set the Audio Multiplex TV signal generator as follows.
Audio signal Rch: 1kHz 100% modulation.
Audio signal Lch: Unmodulation.
- Adjust VR631 (SEPARATION) so that the output of the AUDIO OUTPUT terminal (Lch) is brought to its minimum level.

3. TEST POINT FOR TAPE PATH ADJUSTMENT

Test point TP182 (ENV) and TP183 (SW-P) for tape path adjustment is shown in Figure below.
For adjustment, refer to the separate volume "Mechanical adjustments 6611 77 06 and 6611 74 46".



4. PARTS LIST

ACCESSORIES

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
	5652 2299	REMOCON,RC384(WITH COVER BATTERY) (EXCEPT VCR 3784 UK/VP)	CH-6	6135 5178	COMPL,COVER TOP(VCR 3784UK/VP ONLY)
OR	5652 2310	REMOCON,RC584(WITH COVER BATTERY) (VCR 3784 UK/VP ONLY)	OR	6135 5175	COVER TOP(EXCEPT VCR 3784UK/VP)
	6134 5345	COVER BATTERY (FOR REMOCON)	CH-7	5826 0553	MODULATOR,RF(VCR 3784UK/VP ONLY)
	6612 5932	INSTRUCTION MANUAL (VCR 3784UK/VP ONLY)	OR	5826 0552	MODULATOR,RF(VCR 3784UK/VP ONLY)
OR	6612 5931	INSTRUCTION MANUAL (VCR 3784N/SV ONLY)	OR	5826 0551	MODULATOR,RF(EXCEPT VCR 3784UK/VP)
OR	6612 5930	INSTRUCTION MANUAL (VCR 3784VPS/SV ONLY)	OR	5826 0554	MODULATOR,RF(EXCEPT VCR 3784UK/VP)
	4131 4286	CABLE,ANT(EXCEPT VCR 3784VPS/SV)	CH-8	8681 5266	TERMINAL(VCR 3784UK/VP ONLY)
OR	4131 4221	CABLE,ANT(VCR 3784N/SV ONLY)	OR	8681 5268	TERMINAL(EXCEPT VCR 3784UK/VP)
OR	4131 4198	CABLE,ANT(VCR 3784VPS/SV ONLY)	CH-9		SCR S-TPG BIN 3X10
OR		CABLE,ANT(VCR 3784VPS/SV ONLY)	CH-10	8681 5267	TERMINAL RCA
OR		CORD(EXCEPT VCR 3784VPS/SV)	CH-11	6913 6677	COMPL PWB,CP-1-A (VCR 3784UK/VP ONLY)
OR	4131 4203	CORD(VCR 3784N/SV ONLY)	OR	6913 6643	COMPL PWB,CP-1-A(VCR 3784N/SV ONLY)
OR	△ 4131 4287	CORD,POWER(VCR 3784UK/VP ONLY)	OR	6913 6646	COMPL PWB,CP-1-A (VCR 3784VPS/SV ONLY)
OR	△	CORD,POWER(VCR 3784UK/VP ONLY)	CH-12	5823 0509	TUNER,U(VCR 3784UK/VP ONLY)
OR	△ 4131 8829	CORD,POWER(EXCEPT VCR 3784UK/VP)	OR	5823 0777	TUNER PACK(VCR 3784N/SV ONLY)
OR	△	CORD,POWER(EXCEPT VCR 3784UK/VP)	OR	5823 0505	TUNER PACK(VCR 3784VPS/SV ONLY)
OR	△	CORD,POWER(EXCEPT VCR 3784UK/VP)	CH-13	5825 8833	TUNER,IF(VCR 3784N/SV ONLY)
OR	△	CORD,POWER(EXCEPT VCR 3784UK/VP)	OR	5823 0510	TUNER,IF(VCR 3784UK/VP ONLY)
OR	△	CORD,POWER(EXCEPT VCR 3784UK/VP)	OR	5823 0602	TUNER,IF(VCR 3784VPS/SV ONLY)
OR	△	CORD,POWER(EXCEPT VCR 3784UK/VP)	CH-14	6913 6676	COMPL PWB,TN-5(VCR 3784UK/VP ONLY)
			OR	6913 6642	COMPL PWB,TN-5(VCR 3784N/SV ONLY)
			CH-15	6913 6647	COMPL PWB,TB-1(VCR 3784UK/VP ONLY)
			OR	6913 6640	COMPL PWB,TB-1(VCR 3784N/SV ONLY)
			OR	6913 6645	COMPL PWB,TB-1(VCR 3784VPS/SV ONLY)
			CH-16	4144 8390	BUSH(F)(VCR3784N/SV ONLY)
			OR		BUSH(F)UL(VCR3784N/SV ONLY)
			CH-17	6135 5174	COVER BOTTOM
			CH-19	6273 4052	STAND,FELT,FRONT
			CH-20	6913 6638	COMPL PWB,TM-1
			CH-21	6134 5342	DOOR CASSETTE (EXCEPT VCR 3784VPS/SV)
			OR	6134 5343	DOOR CASSETTE(VCR 3784VPS/SV ONLY)
			CH-22	7358 4829	SPRING
			CH-23	6418 3426	ASSY,CABINET FRONT (VCR 3784UK/VP ONLY)
			OR	6418 3415	ASSY,CABINET FRONT (EXCEPT VCR 3784UK/VP)

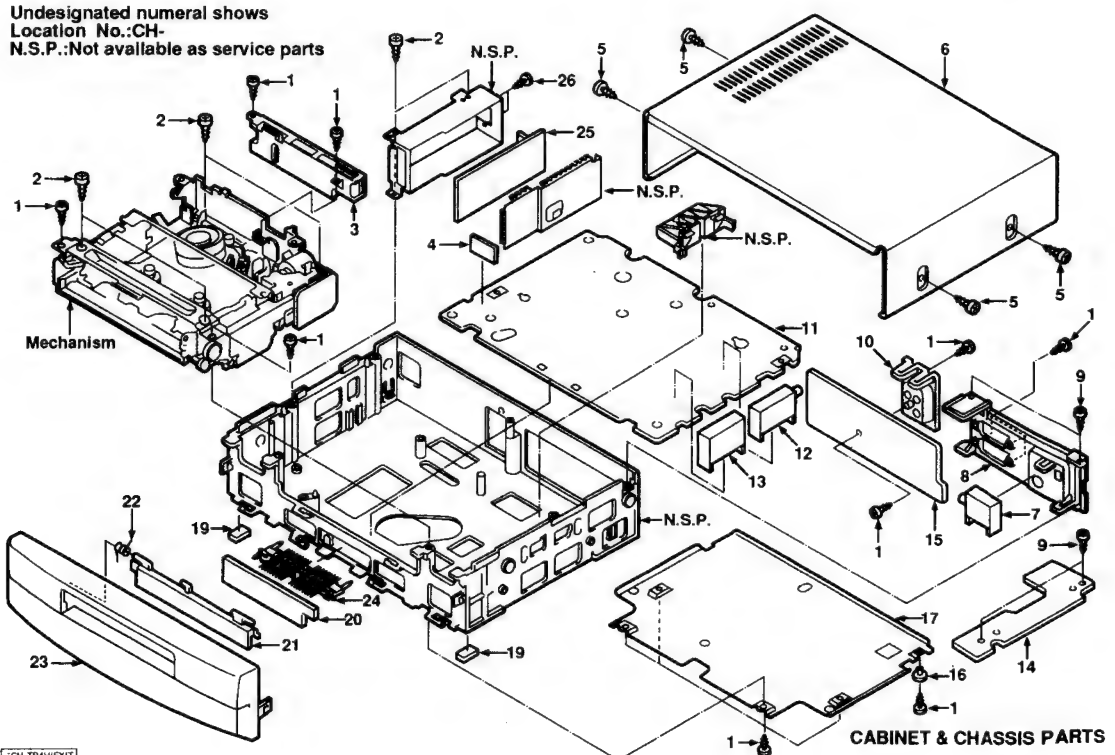
PACKING MATERIALS

LOCATION	PARTS NO.	DESCRIPTION
	6162 8880	CARTON CASE(VCR 3784UK/VP ONLY)
OR	6162 8865	CARTON CASE(VCR 3784N/SV ONLY)
OR	6162 8866	CARTON CASE(VCR 3784VPS/SV ONLY)
	6172 3094	CUSHION,FRONT(VCR 3784UK/VP ONLY)
OR	6172 3091	CUSHION,FRONT(EXCEPT VCR 3784UK/VP)
	6172 3095	CUSHION,BACK(VCR 3784UK/VP ONLY)
OR	6172 3092	CUSHION,BACK(EXCEPT VCR 3784UK/VP)
		POLYE COVER,INNER-K

CABINET & CHASSIS PARTS

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
CH-1		SCR L-TPG BIN 3X10	CH-24	4131 4291	PLUG,26P
CH-2		SCR S-TPG BIN 4X12	CH-25	6913 6674	COMPL PWB,PW-1(VCR 3784UK/VP ONLY)
CH-3	6913 6639	COMPL PWB,VP-1	OR	6913 6641	COMPL PWB,PW-1(VCR 3784N/SV ONLY)
CH-4	6913 0957	COMPL PCB,TM-8(VCR 3784VPS/SV ONLY)	OR	6913 6644	COMPL PWB,PW-1(VCR 3784VPS/SV ONLY)
CH-5		SPECIAL SCREW	CH-26		SCR S-TPG BIN 3X8

Undesignated numeral shows
Location No.:CH-
N.S.P.:Not available as service parts



CH-TP4N(EXT)

MECHANISM PARTS

DB003500
MB0018ZZ

LOCATION	PARTS NO.	DESCRIPTION
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MECHANISM PARTS 1

DR-1	4335 9371	COMPL,CYLINDER,4H6P-R
DR-2		SCR PAN+W 3X8
DR-3	4335 9372	ASSY,CYLINDER,UPR 4H6P-R
DR-4	4335 9370	ASSY,CYLINDER,LWR 6K
DR-5	8318 5783	SPACER,MOTOR 0.3T
DR-6	8681 4885	BASE,CYLINDER
DR-7		SCR PAN+FLG 3X6
DR-8		SCR PAN+FLG 2.6X8
DR-9	4335 9337	STATOR,MOTOR CYL
OR		STATOR,MOTOR CYL
DR-10		SCR PAN+SW 2.3X10
OR		SCR PAN+SW 2.3X8
DR-11	4335 9317	ROTOR,MOTOR CYL
DR-12		SCR PAN+SW 2.3X6

MB-1	8318 5862	SLEEVE
MB-2	7726 0622	SPECIAL WASHER
MB-3	8318 5863	TAPE GUIDE
MB-4		NUT HEX (3)
MB-5	8681 4881	CAP
MB-6	8681 4112	ASSY,SLIDE,ACT PINCH
MB-7	8681 4113	ASSY,LEVER,CAM PINCH
MB-8	6158 2016	WASHER Y 3.1X8X0.5
MB-9	7358 4350	SPRING,ACE HEAD
MB-10	8318 5407	COMPL,BRACKET,HEAD
MB-11	7726 0653	SLEEVE,ACE HEAD
MB-12	7711 0176	SPECIAL NUT (M5)
MB-13		SCR PAN+SW+W 2.6X5
MB-14	8681 4817	BRACKET,STOPPER
MB-15	7358 4352	SPRING,SLIDE BRAKE
MB-16	8681 4927	COMPL,SLIDE,CAM
MB-17	7358 4351	SPRING,LINK LOCK
MB-18	7522 0219	DAMPER
MB-19	7525 1193	GEAR,FRONT LOAD
MB-20	8681 4384	ASSY,LEVER,FRONT
MB-21	7525 1347	GEAR,HELICAL FRONT
MB-22		SCR PAN+SW+W 2.6X6
MB-23		SCR S-TPG PAN 2.6X6
MB-24		SCR S-TPG BIN 2.6X8
OR		SCR S-TPG PAN 2.6X8
MB-28	8681 4127	HOLDER,WORM
MB-29		WASHER
MB-30	7525 1195	ASSY,WORM,FRONT
MB-31	8318 5722	BRACKET,HOLDER
MB-32	8318 5532	PLATE,NUT
MB-33	8868 0723	DAMPER,MOTOR
MB-34	8681 4123	DAMPER,WORM
MB-35	4432 8818	ASSY,LOADING MOTOR
MB-36	8868 0724	DAMPER,MOTOR
MB-37	6913 1082	COMPL PCB,MC-3
MB-38	6913 6686	COMPL PWB,MC-2
MB-39	4112 9866	ROTARY SWITCH
MB-40		SCR PAN 2.6X13
MB-41	8681 4385	ASSY,SLIDE,FRONT
MB-42	7358 4457	SPRING,LEVER LOAD
MB-43	7358 4458	SPRING,LEVER ACT
MB-44	8681 4386	HOLDER,WORM
OR	8681 4977	HOLDER,WORM
MB-45		WASHER 2.1X6X0.5
MB-46	7525 1264	ASSY,WORM,LOAD
MB-47	7618 4267	BELT,LOADING
MB-48		WASHER SLIT 2.6X5X0.50

LOCATION	PARTS NO.	DESCRIPTION
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MB-49	7525 1191	GEAR,HELICAL
MB-50	8681 4628	ASSY,LEVER,REV GUIDE
MB-51	7358 4356	SPRING,REVIEW LEVER
MB-52	7538 3373	COMPL,PINCH ROLLER
MB-53	7358 4830	SPRING,PINCH ROLLER
MB-54	6158 2015	WASHER Y 3.6X6X0.5
MB-55	8681 4128	COMPL,LEVER,ACT BRAKE

Note:

As shown in the figure, the parts supporting the "ASSY, GUIDE, ROLLER" of Location No. MB-61 comes in two types-group A and group B. (Location MB-60 and 61 are the same.) No one part of group A can be replaced by that of group B by itself, but group A and group B can be replaced as a whole as they are interchangeable.

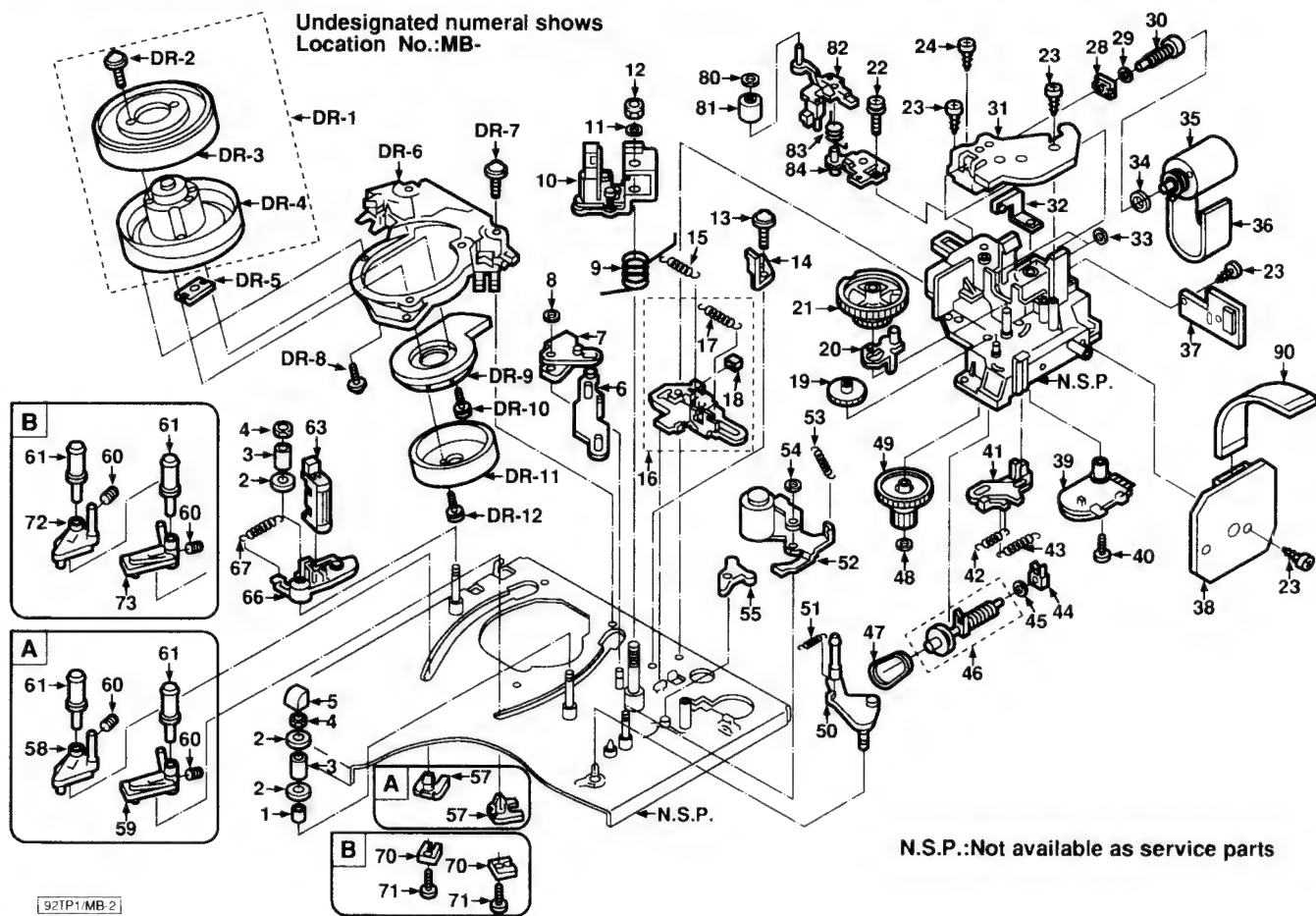
NOTE-M1

MB-57	8318 6040	PLATE,BGR
MB-58	8681 5264	ASSY,MOUNTING,ROLLER S
MB-59	8681 5265	ASSY,MOUNTING,ROLLER T
MB-60	6158 2020	SCR SET HEX-SCT 2X3
MB-61	8681 4132	ASSY,GUIDE,ROLLER
MB-63	4335 9466	HEAD,ERASE FULL
MB-66	8318 6041	LEVER,FE HEAD
MB-67	7358 4357	SPRING,ERASE HEAD
MB-70	8318 5338	PLATE,GUIDE
MB-71	6158 2022	SCR BIN 2.6X5
MB-72	8681 4130	ASSY,BASE,ROLLER S
MB-73	8681 4131	ASSY,BASE,ROLLER T
MB-80	6158 2018	WASHER Y 2.6X6X0.5
MB-81	7538 3425	ASSY,ROLLER,CLEANER
MB-82	8318 6013	ASSY,LEVER,CLEANER
MB-83	7358 4714	SPRING
MB-84	8681 5245	BRACKET,CLEANER
MB-90	4131 4290	FLEXIBLE FLAT CABLE CP-1 MC-2

MECHANISM PARTS 2

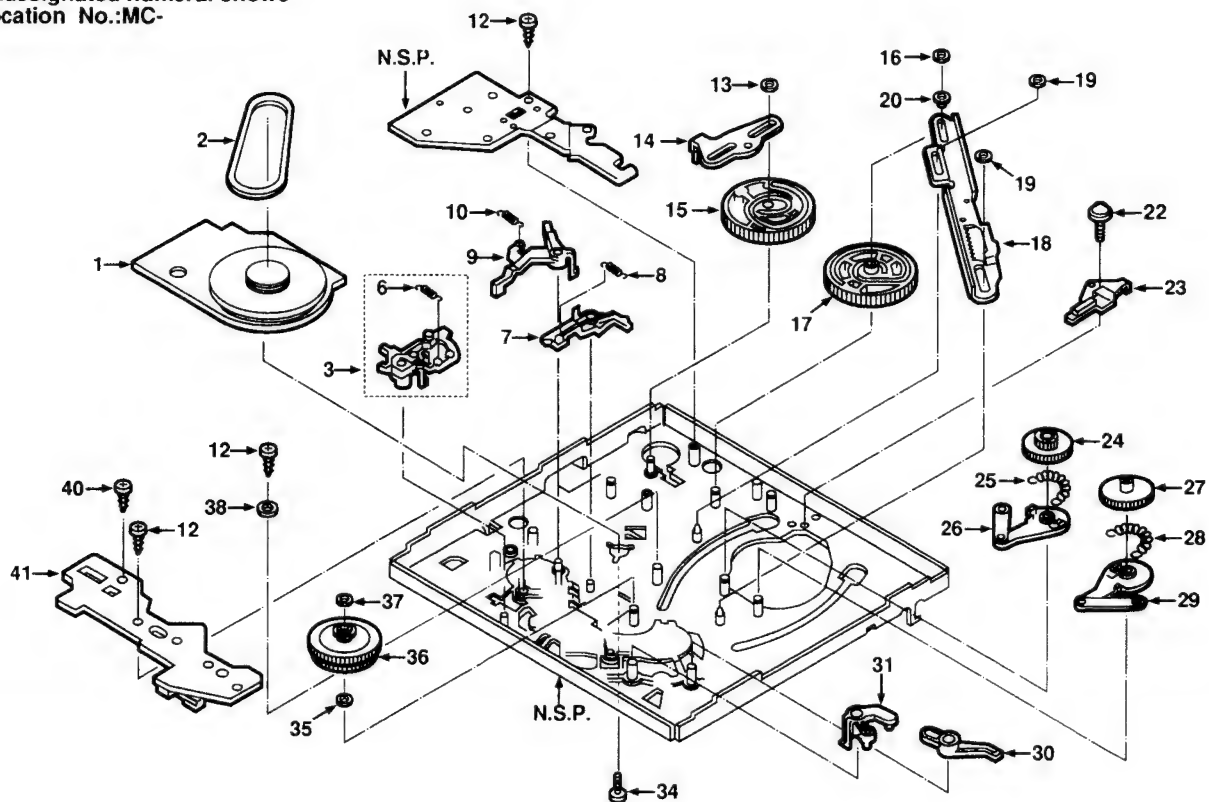
MC-1	4432 9389	MOTOR,CAPSTAN DC 3W
MC-2	7618 4268	BELT,REEL DRIVE
MC-3	8681 4971	COMPL,LEVER,CLUTCH
MC-6	7358 4359	SPRING,LEVER CLUTCH
MC-7	8681 4136	LEVER,CHANGE CLUTCH
MC-8	7358 4360	SPRING,CHANGE CLUTCH
MC-9	8681 4167	ASSY,BRAKE,CAPSTAN
MC-10	7358 4453	SPRING,CAPSTAN
MC-12		SCR S-TPG BIN 2.6X8
MC-13	6158 2016	WASHER Y 3.1X8X0.5
MC-14	8681 5263	SLIDE,CAM PLATE
MC-15	7525 1196	CAM,MODE
MC-16	6158 2017	WASHER Y 3.1X6X0.5
MC-17	7525 1350	CAM,MAIN
MC-18	8681 4976	ASSY,RACK,LOAD
MC-19	6158 2018	WASHER Y 2.6X6X0.5
MC-20	7726 0654	SPACER,RACK LOAD
MC-22		SCR PAN+FLG 3X4
MC-23	7358 4365	ASSY,EARTH,CYL
MC-24	7525 1351	GEAR,LOAD TAKE UP
MC-25	7358 4361	SPRING,GEAR LOAD T
MC-26	8681 4141	ASSY,LEVER,LOAD T
MC-27	7525 1199	GEAR,LOAD S
MC-28	7358 4362	SPRING,GEAR LOAD S
MC-29	8681 4142	ASSY,LEVER,LOAD S
MC-30	8681 4143	LEVER,RETURN TENSION
MC-31	8681 4387	ASSY,LEVER CONTROL
MC-34		SCR S-TPG PAN 2.6X6
MC-35	7726 0621	SPECIAL WASHER 3.1X6X0.25
MC-36	7525 1396	ASSY,GEAR,FRICTION
MC-37		SPECIAL WASHER 2.4X6X0.25
MC-38		WASHER Z 2.6X10X0.5
MC-40		SCR S-TPG BIN 2.6X5
MC-41	6913 1133	COMPL,MC-1

EXPLODED VIEW OF MECHANISM PARTS 1



EXPLODED VIEW OF MECHANISM PARTS 2

Undesignated numeral shows Location No.:MC-



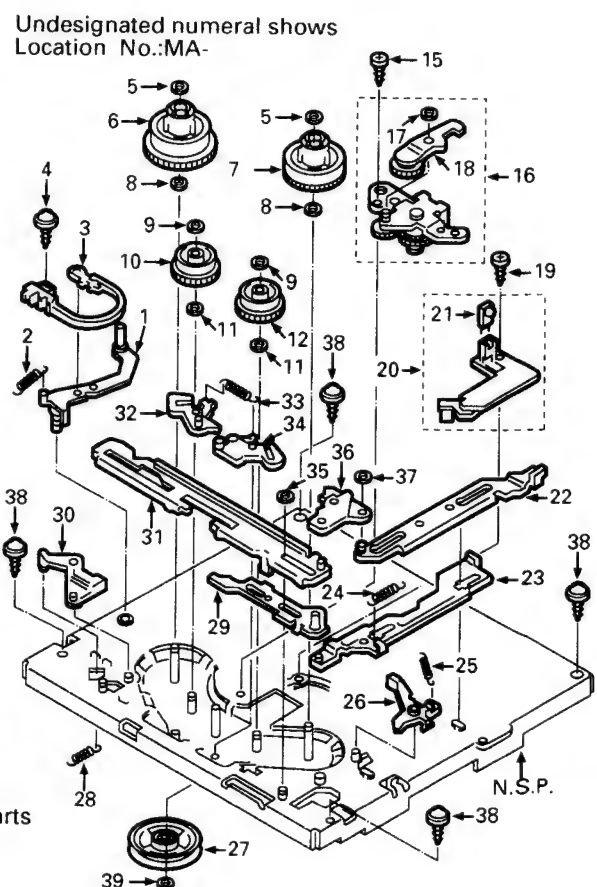
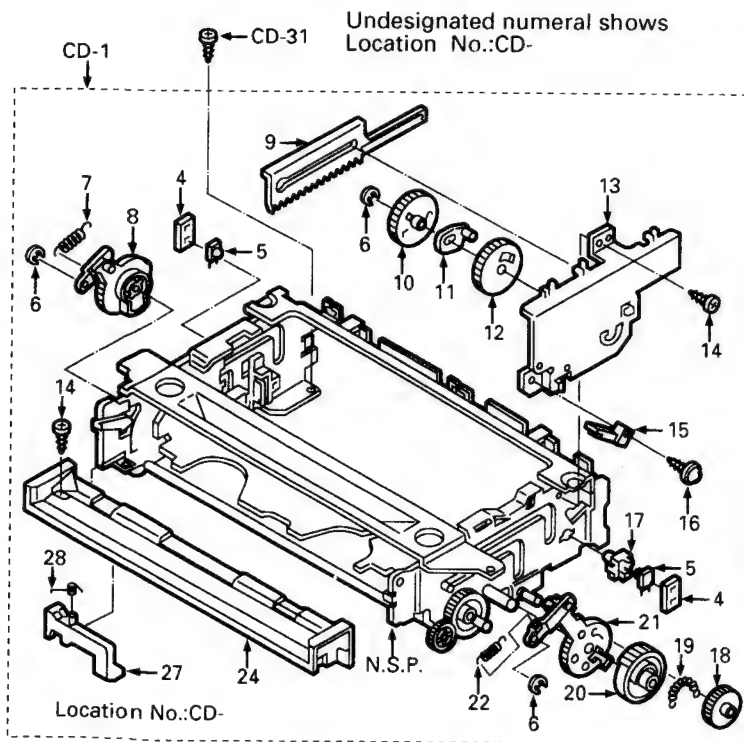
LOCATION PARTS NO. DESCRIPTION

MECHANISM PARTS 3

CD-1	8318 6017	COMPL,CASSETTE MECHA
CD-4	8681 4250	LID
CD-5	3656 3089	PHOTO COUPLE PN150SAN
CD-6		RING E 2.3
CD-7	7358 4341	SPRING, LINK L
CD-8	7525 1181	ASSY, GEAR, LEVER L
CD-9	8318 5316	RACK
CD-10	7525 1399	GEAR, LOCK
CD-11	8318 5317	ASSY, LEVER, PINION
CD-12	7525 1183	GEAR, PINION
CD-13	8681 4097	ASSY, BRACKET, GEAR
CD-14		SCR S-TPG BIN 2.6X4
CD-15	4112 7484	SW, SPECIAL
CD-16		SCR PAN+SW+W 2X9
CD-17	8681 4816	HOLDER, TRANSISTOR
CD-18	7525 1184	GEAR, IDLER
CD-19	7358 4363	SPRING, GEAR MAIN
CD-20	7525 1185	GEAR, MAIN
CD-21	7525 1186	ASSY, GEAR, LEVER R
CD-22	7358 4342	SPRING, LINK R
CD-24		BOARD, UNDER
CD-27	8318 5860	LEVER, SAFETY SW
CD-28	7358 4713	SPRING, SAFETY SW
CD-31		SCR BIN 3X6
MA-1	8681 4388	ASSY, LEVER, TENSION
MA-2	7358 4390	SPRING, LEVER TENSION
MA-3	8681 4120	ASSY, HOLDER, BAND
MA-4		SCR PAN+SW+W 2.6X6
MA-5		WASHER Y 2.6X6X0.25
MA-6	6253 4244	ASSY, REEL, SUPPLY
OR	6253 4246	ASSY, REEL, SUPPLY
MA-7	6253 4245	ASSY, REEL, TAKE UP
OR	6253 4255	ASSY, REEL, TAKE UP

LOCATION PARTS NO. DESCRIPTION

MA-8	7726 0615	SPECIAL WASHER 3.1X6X0.3
OR	7726 0594	SPECIAL WASHER 3.1X6X0.4
OR	7726 0585	SPECIAL WASHER 3.1X6X0.5
MA-9	6158 2019	WASHER Y 2.1X5X0.25
OR		WASHER Y 2.1X6X0.25
MA-10	7525 1348	GEAR, REEL SUPPLY
OR	7525 1398	GEAR, REEL SUPPLY
MA-11	7726 0618	SPECIAL WASHER 2.6X6X0.25
MA-12	7525 1349	GEAR, REEL TAKE UP
OR	7525 1397	GEAR, REEL TAKE UP
MA-15		SPECIAL SCREW 2.6X4
MA-16	7548 4261	COMPL, IDLER, CLUTCH
MA-17		WASHER Y 2.1X4X0.25
MA-18	7548 4260	ASSY, IDLER
MA-19		SCR S-TPG BIN 2.6X8
MA-20	6913 1130	COMPL PCB, MC-4
MA-21	3681 1690	LED LN59
MA-22	8681 4121	ASSY, SLIDE, ACT PLATE
MA-23	8681 5262	SLIDE, C BRAKE
MA-24	7358 4345	SPRING, RETURN SLIDE
MA-25	7358 4346	SPRING, SUB T
MA-26	8681 4382	ASSY, BRAKE SUB T
MA-27	7548 4226	PULLEY, REEL
MA-28	7358 4347	SPRING, SUB SUPPLY
MA-29	8681 4105	SLIDE, ACT BRAKE
MA-30	8681 4163	BRAKE, SUB SUPPLY
MA-31	8681 4107	ASSY, SLIDE, M PLATE
MA-32	8681 4108	ASSY, BRAKE, SUPPLY
MA-33	7358 4488	SPRING, MAIN BRAKE
MA-34	8681 4109	ASSY, BRAKE, TAKE UP
MA-35		WASHER Y 2.6X5X0.5
MA-36	8681 4110	LEVER, CONT PLATE
MA-37	7726 0611	SPECIAL WASHER
MA-38		SCR S-TPG BIN 4X12
MA-39		SPECIAL WASHER 2.4X6X0.25



ELECTRICAL PARTS

NOTE-2

NOTE:

1. Materials of Capacitors and Resistors are abbreviated as follows;

Resistors

MT-FILM Metallized Film Resistor
MT-GLAZE Metallized Glaze Resistor
OXIDE-MT Oxide Metallized film Resistor

TA-SOLID Tantalum Solid Capacitor
AL-SOLID Aluminium Solid Capacitor
NP-ELECT Non-Polarized Electrolytic Capacitor
OS-SOLID Aluminium Solid Capacitors with Organic Semiconductive Electrolytic Capacitor
DL-ELECT Double Layered Electrolytic Capacitor

Capacitors

MT-POLYEST Metallized Polyester capacitor
MT-COMPO Metallized Composite capacitor

2. Tolerance of Capacitor (10pF over) and Resistor are noted with follow symbols.

F ± 1% G ± 2% J ± 5% K ± 10%
M ± 20% N ± 30% Z ± 80% ~ -20%

3. Capacitors

U: µH P: pF

4. Inductors

UH: µH MH: mH

5. N.S.P.; Not available as service parts.

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
COMPL PWB,CP-1-A					
COMPL.NO.6913 6677 (VCR 3784UK/VP ONLY)			Q1152		TR 2SB1320A-Q-(TA)
COMPL.NO.6913 6643 (VCR 3784N/SV ONLY)			OR		TR 2SB1320A-R-(TA)
COMPL.NO.6913 6646 (VCR 3784VPS/SV ONLY)			Q1301	3614 4402	TR DTA144EL-TL2
			OR		TR UN6113-(TA)
(SEMICONDUCTORS)			Q1312	3614 4379	TR 2SC4038-Q-TL2
Q1002	3614 4379	TR 2SC4038-Q-TL2	OR	3614 4378	TR 2SC4038-R-TL2
OR	3614 4378	TR 2SC4038-R-TL2	OR		TR 2SD1991A-Q-(TA)
OR		TR 2SD1991A-R-(TA)	OR		TR 2SD1991A-R-(TA)
Q1003	3614 4614	TR 2SA1561-TL2-Q	Q1313	3614 5227	TR DTC144ES-DCTP
OR	3614 4492	TR 2SA1561-TL2-R	OR	3614 5279	TR 2SC3399-AC
OR		TR 2SB1320A-Q-(TA)	Q1601	3614 4614	TR 2SA1561-TL2-Q
OR		TR 2SB1320A-R-(TA)	OR	3614 4492	TR 2SA1561-TL2-R
Q1004	3614 4614	TR 2SA1561-TL2-Q	OR		TR 2SB1320A-Q-(TA)
OR	3614 4492	TR 2SA1561-TL2-R	OR		TR 2SB1320A-R-(TA)
OR		TR 2SB1320A-Q-(TA)	Q1621	3614 4379	TR 2SC4038-Q-TL2
OR		TR 2SB1320A-R-(TA)	OR	3614 4378	TR 2SC4038-R-TL2
Q1006	3614 4379	TR 2SC4038-Q-TL2	OR		TR 2SD1991A-Q-(TA)
OR	3614 4378	TR 2SC4038-R-TL2	OR		TR 2SD1991A-R-(TA)
OR		TR 2SD1991A-Q-(TA)	Q1622	3614 4379	TR 2SC4038-Q-TL2
OR		TR 2SD1991A-R-(TA)	OR	3614 4378	TR 2SC4038-R-TL2
Q1007	3614 4379	TR 2SC4038-Q-TL2	OR		TR 2SD1991A-Q-(TA)
OR	3614 4378	TR 2SC4038-R-TL2	OR		TR 2SD1991A-R-(TA)
OR		TR 2SD1991A-Q-(TA)	Q1623	3614 4614	TR 2SA1561-TL2-Q
OR		TR 2SD1991A-R-(TA)	OR	3614 4492	TR 2SA1561-TL2-R
Q1010	3614 4614	TR 2SA1561-TL2-Q	OR		TR 2SB1320A-Q-(TA)
		(VCR 3784VPS/SV ONLY)			TR 2SB1320A-R-(TA)
OR	3614 4492	TR 2SA1561-TL2-R	Q2001	3614 7731	TR 2SC3331-T-AA
		(VCR 3784VPS/SV ONLY)	OR	3614 4650	TR 2SC3331-U-AA
OR		TR 2SB1320A-Q-(TA)	Q2002	3614 7730	TR DTA124ES-DCTP
OR		(VCR 3784VPS/SV ONLY)	OR	3614 4307	TR 2SA1346-AC
OR		TR 2SB1320A-R-(TA)	Q2003	3614 4377	TR DTC144EL-TL2
		(VCR 3784VPS/SV ONLY)	OR	3614 5227	TR DTC144ES-DCTP
Q1011	3614 4377	TR DTC144EL-TL2	OR	3614 5279	TR 2SC3399-AC
OR		TR UN6213-(TA)	Q2004	3614 4377	TR DTC144EL-TL2
Q1012	3614 4379	TR 2SC4038-Q-TL2	OR	3614 5227	TR DTC144ES-DCTP
OR	3614 4378	TR 2SC4038-R-TL2	OR	3614 5279	TR 2SC3399-AC
OR		TR 2SD1991A-Q-(TA)	Q2008	3614 4377	TR DTC144EL-TL2
OR		TR 2SD1991A-R-(TA)	OR	3614 5227	TR DTC144ES-DCTP
Q1014	3614 4379	TR 2SC4038-Q-TL2	OR	3614 5279	TR 2SC3399-AC
OR	3614 4378	TR 2SC4038-R-TL2	Q2009	3614 4377	TR DTC144EL-TL2
OR		TR 2SD1991A-Q-(TA)	OR	3614 5227	TR DTC144ES-DCTP
OR		TR 2SD1991A-R-(TA)	OR	3614 5279	TR 2SC3399-AC
Q1101	3614 4614	TR 2SA1561-TL2-Q	Q2306	3614 5513	TR 2SC2274-E-AA
OR	3614 4492	TR 2SA1561-TL2-R	OR	3614 5513	TR 2SC2274-F-AA
OR		TR 2SB1320A-Q-(TA)	Q2308	3614 4377	TR DTC144EL-TL2
OR		TR 2SB1320A-R-(TA)	OR	3614 5227	TR DTC144ES-DCTP
Q1102	3614 4379	TR 2SC4038-Q-TL2	OR	3614 5279	TR 2SC3399-AC
OR	3614 4378	TR 2SC4038-R-TL2	Q2309	3614 4377	TR DTC144EL-TL2
OR		TR 2SD1991A-Q-(TA)	OR	3614 5227	TR DTC144ES-DCTP
OR		TR 2SD1991A-R-(TA)	OR	3614 5279	TR 2SC3399-AC
Q1151	3614 4620	TR DTC124EL-TL2	Q2314	3614 4402	TR DTA144EL-TL2
OR		TR UN6212-(TA)	OR	3614 4494	TR DTA144ES-DCTP
Q1152	3614 4614	TR 2SA1561-TL2-Q	OR	3614 5280	TR 2SA1345-AC
OR	3614 4492	TR 2SA1561-TL2-R	Q2315	3614 4377	TR DTC144EL-TL2
			OR	3614 5227	TR DTC144ES-DCTP

LOCATION	PARTS NO.	DESCRIPTION
Q2315	3614 5279	TR 2SC3399-AC
Q2401	3614 5203	TR DTA114ES-DCTP
OR	3614 5506	TR 2SA1348-AC
Q2402	3614 5231	TR DTC114ES-DCTP
OR	3614 5218	TR 2SC3402-AC
Q2403	3614 4694	TR 2SC4483-S-AN
OR	3614 8824	TR 2SD1994-R (TA)
OR	3614 7686	TR 2SD1994-S (TA)
Q2404	3614 5513	TR 2SC2274-E-AA
OR	3614 5513	TR 2SC2274-F-AA
Q2501	3614 7730	TR DTA124ES-DCTP
OR	3614 4307	TR 2SA1346-AC
Q2502	3614 4377	TR DTC144EL-TL2
OR	3614 5227	TR DTC144ES-DCTP
OR	3614 5279	TR 2SC3399-AC
Q2503	3614 7731	TR 2SC3331-T-AA
OR	3614 4650	TR 2SC3331-U-AA
Q2504	3614 4377	TR DTC144EL-TL2
OR	3614 5227	TR DTC144ES-DCTP
OR	3614 5279	TR 2SC3399-AC
Q3001	3614 4377	TR DTC144EL-TL2
OR		TR UN6213-(TA)
Q3002	3614 4377	TR DTC144EL-TL2
OR		TR UN6213-(TA)
Q3503	3614 4377	TR DTC144EL-TL2
OR		TR UN6213-(TA)
Q3504	3614 4377	TR DTC144EL-TL2
OR		TR UN6213-(TA)
Q3551	3614 4379	TR 2SC4038-Q-TL2
OR	3614 4378	TR 2SC4038-R-TL2
OR		TR 2SD1991A-Q-(TA)
OR		TR 2SD1991A-R-(TA)
Q3552	3614 4379	TR 2SC4038-Q-TL2
OR	3614 4378	TR 2SC4038-R-TL2
OR		TR 2SD1991A-Q-(TA)
OR		TR 2SD1991A-R-(TA)
Q3553	3614 4379	TR 2SC4038-Q-TL2
OR	3614 4378	TR 2SC4038-R-TL2
OR		TR 2SD1991A-Q-(TA)
OR		TR 2SD1991A-R-(TA)
Q6001		TR 2SK1104-(TA) P
		(EXCEPT VCR 3784N/SV)
OR		TR 2SK1104-(TA) Q
		(EXCEPT VCR 3784N/SV)
OR		TR 2SK1104-(TA) R
		(EXCEPT VCR 3784N/SV)
OR	3614 7523	TR 2SK222-D-AA(EXCEPT VCR 3784N/SV)
OR		TR 2SK222-E-AA(EXCEPT VCR 3784N/SV)
OR		TR 2SK772-E-AC(EXCEPT VCR 3784N/SV)
OR		TR 2SK772-F-AC(EXCEPT VCR 3784N/SV)
Q6004	3614 5227	TR DTC144ES-DCTP
		(EXCEPT VCR 3784N/SV)
OR	3614 5279	TR 2SC3399-AC(EXCEPT VCR 3784N/SV)
Q6006	3614 4691	TR KSC2785-Y(EXCEPT VCR 3784VPS/SV)
OR	3614 3781	TR 2SC1740S-DCTP-Q
		(EXCEPT VCR 3784VPS/SV)
OR	3614 5240	TR 2SC1740S-DCTP-R
		(EXCEPT VCR 3784VPS/SV)
OR	3614 4947	TR 2SC536-E-SPA-AC
		(EXCEPT VCR 3784VPS/SV)
OR	3614 3969	TR 2SC536-F-SPA-AC
		(EXCEPT VCR 3784VPS/SV)
Q6611	3614 4690	TR KSA1175-Y
OR	3614 4942	TR 2SA608-E-SPA-AC
OR	3614 5281	TR 2SA608-F-SPA-AC
OR	3614 4542	TR 2SA933S-TP-Q
OR	3614 5540	TR 2SA933S-T93-R
Q6621	3614 4691	TR KSC2785-Y
OR	3614 3781	TR 2SC1740S-DCTP-Q
OR	3614 5240	TR 2SC1740S-DCTP-R
OR	3614 4947	TR 2SC536-E-SPA-AC
OR	3614 3969	TR 2SC536-F-SPA-AC
Q6901	3614 4691	TR KSC2785-Y
OR	3614 3781	TR 2SC1740S-DCTP-Q
OR	3614 5240	TR 2SC1740S-DCTP-R

LOCATION	PARTS NO.	DESCRIPTION
Q6901	3614 4947	TR 2SC536-E-SPA-AC
OR	3614 3969	TR 2SC536-F-SPA-AC
Q6902	3614 4690	TR KSA1175-Y
OR	3614 4942	TR 2SA608-E-SPA-AC
OR	3614 5281	TR 2SA608-F-SPA-AC
OR	3614 4542	TR 2SA933S-TP-Q
OR	3614 5540	TR 2SA933S-T93-R
Q6903	3614 4691	TR KSC2785-Y
OR	3614 3781	TR 2SC1740S-DCTP-Q
OR	3614 5240	TR 2SC1740S-DCTP-R
OR	3614 4947	TR 2SC536-E-SPA-AC
OR	3614 3969	TR 2SC536-F-SPA-AC
Q6904	3614 5227	TR DTC144ES-DCTP
OR	3614 5279	TR 2SC3399-AC
Q6921	3614 4546	TR 2SC2960-F-SPA-AC
		(EXCEPT VCR 3784N/SV)
OR	3614 4547	TR 2SC2960-G-SPA-AC
		(EXCEPT VCR 3784N/SV)
(INTEGRATED CIRCUITS)		
IC101	3771 6752	IC LA7345M
IC111	3771 6749	IC LC89925
IC162	3771 6791	IC LC74760M-8783
IC201	3771 6356	IC BA7755A
IC231	3771 6751	IC AN3961NFBP-A
IC301	3771 6776	IC LC866648V-5407
		(VCR 3784UK/VP ONLY)
OR	3771 6792	IC LC866648V-5420
		(EXCEPT VCR 3784UK/VP)
IC302	3771 8824	IC MN1380-L
OR	3771 6775	IC MN1381-L(TA)
IC303	3771 5425	IC LB1641
IC351		IC BU2890BK
OR	3771 6761	IC BU2890DK
OR	3771 6755	IC XRU2890BK
IC601	3771 5050	IC L5631(EXCEPT VCR 3784N/SV)
OR	3771 4088	IC UPC574J(EXCEPT VCR 3784N/SV)
IC602	3771 6774	IC LE24C02S1(VCR 3784UK/VP ONLY)
OR	3771 6748	IC LE24C04S1(EXCEPT VCR 3784UK/VP)
OR	3771 6588	IC ST24C02AB1(VCR 3784UK/VP ONLY)
OR		IC X24C02P-C7189
		(VCR 3784UK/VP ONLY)
OR		IC X24C04P-C7346
		(EXCEPT VCR 3784UK/VP)
IC631	3771 6758	IC TDA8417(VCR 3784VPS/SV ONLY)
IC632	3771 5893	IC UPC1391HAMS(VCR 3784VPS/SV ONLY)
IC691	3771 4684	IC LA7910(EXCEPT VCR 3784N/SV)
(DIODES)		
D1003	3656 2770	DIODE GMA01-BT
OR	3656 2230	DIODE 1SS133-T-77
D1004	3656 2770	DIODE GMA01-BT
OR	3656 2230	DIODE 1SS133-T-77
D1007	3656 2770	DIODE GMA01-BT
OR	3656 2230	DIODE 1SS133-T-77
D1008	3656 2770	DIODE GMA01-BT
OR	3656 2230	DIODE 1SS133-T-77
D1301	3656 2770	DIODE GMA01-BT
OR	3656 2230	DIODE 1SS133-T-77
D1601	3656 2770	DIODE GMA01-BT(VCR 3784UK/VP ONLY)
OR	3656 2230	DIODE 1SS133-T-77
		(VCR 3784UK/VP ONLY)
D1602	3656 2770	DIODE GMA01-BT(VCR 3784UK/VP ONLY)
OR	3656 2230	DIODE 1SS133-T-77
		(VCR 3784UK/VP ONLY)
D1621	3656 2770	DIODE GMA01-BT
OR	3656 2230	DIODE 1SS133-T-77
D1622	3656 2770	DIODE GMA01-BT
OR	3656 2230	DIODE 1SS133-T-77
D1901		ZENER DIODE MTZJ3.9A-T-77
OR	3656 3655	ZENER DIODE GZS3.9X-BT
D2001	3656 2770	DIODE GMA01-BT

LOCATION	PARTS NO.	DESCRIPTION
L6005		HF CHOKE 10UHK(VCR 3784VPS/SV ONLY)
L6601	4543 3252	COIL,INDUCTOR 15UHK
OR		HF CHOKE 15UHK
L6602	4543 1989	COIL,INDUCTOR 10UHK
OR		HF CHOKE 10UHK
L6621	4543 2199	COIL,INDUCTOR 100UHK
		(EXCEPT VCR 3784UK/VP)
OR	4543 1988	COIL,INDUCTOR 56UHK
		(VCR 3784UK/VP ONLY)
OR		HF CHOKE 56UHK(VCR 3784UK/VP ONLY)
OR		HF CHOKE 100UHK
		(EXCEPT VCR 3784UK/VP)

(TRANSFORMERS)

T2001	4552 7546	TRANS,OSC
T2501	4552 7545	TRANS,OSC

T6901	4552 7548	TRANS,IF
OR	4552 7568	TRANS,IF

(DELAY LINES)

DL101	4342 1036	DELAY LINE(COMB)
OR		DELAY LINE(COMB)

(CAPACITORS)

C1002	CERAMIC	180P	J	50V
C1003	CERAMIC	100P	J	50V
C1005	ELECT	0.47U	M	50V
C1006	CERAMIC	4.7P	K	50V
C1007	CERAMIC	390P	J	50V
C1009	CERAMIC	4.7P	K	50V
C1010	CERAMIC	82P	J	50V
C1011	ELECT	1U	M	50V
C1012	ELECT	10U	M	16V
C1013	ELECT	0.47U	M	50V
C1014	CERAMIC	0.01U	M	16V
C1015	CERAMIC	0.033U	Z	16V
C1016	CERAMIC	0.022U	J	16V
C1021	CERAMIC	390P	J	50V
C1022	CERAMIC	0.1U	J	16V
C1023	CERAMIC	150P	J	50V
C1028	CERAMIC	0.1U	Z	50V
C1030	ELECT	1U	M	50V
C1031	ELECT	1U	M	50V
C1032	CERAMIC	0.047U	J	16V
C1033	CERAMIC	0.022U	J	16V
C1034	CERAMIC	75P	J	50V
C1036	ELECT	1U	M	50V
C1037	ELECT	2.2U	M	50V
C1038	CERAMIC	0.022U	J	16V
C1039	CERAMIC	0.047U	J	16V
C1040	CERAMIC	0.01U	M	16V
C1041	ELECT	10U	M	16V
C1042	CERAMIC	0.047U	J	16V
C1044	ELECT	47U	M	6.3V
C1046	ELECT	10U	M	16V
C1047	ELECT	10U	M	16V
C1048	CERAMIC	0.01U	M	16V
C1049	CERAMIC	33P	J	50V
C1050	CERAMIC	0.01U	M	16V
C1051	CERAMIC	470P	J	50V
C1052	CERAMIC	560P	J	50V
C1053	CERAMIC	0.01U	M	16V
C1054	ELECT	47U	M	6.3V
C1058	CERAMIC	27P	J	50V
C1060	CERAMIC	27P	J	50V
C1061	CERAMIC	22P	J	50V
C1062	CERAMIC	180P	J	50V
C1063	CERAMIC	82P	J	50V
C1064	CERAMIC	0.01U	M	16V
C1081	CERAMIC	82P	J	50V
C1098	CERAMIC	0.1U	Z	50V
C1099	CERAMIC	0.1U	Z	50V
C1101	ELECT	47U	M	6.3V
C1102	CERAMIC	0.01U	M	16V
C1104	CERAMIC	100P	J	50V
C1105	CERAMIC	47P	J	50V
C1106	CERAMIC	4.7P	K	50V

LOCATION	PARTS NO.	DESCRIPTION
C1107	CERAMIC	47P J 50V
C1109	CERAMIC	0.01U M 16V
C1110	ELECT	1U M 50V
C1311	CERAMIC	0.022U J 16V
C1601	CERAMIC	0.1U Z 50V
C1602	ELECT	470U M 6.3V
		(VCR 3784UK/VP ONLY)
C1621	CERAMIC	15P J 50V
C1622	CERAMIC	15P J 50V
C1623	ELECT	47U M 6.3V
C1624	ELECT	47U M 10V
C1625	ELECT	10U M 50V
C1627	CERAMIC	100P J 50V
C1628	ELECT	10U M 50V
C1630	CERAMIC	6800P J 16V
C1631	NP-ELECT	1U M 50V
C1632	CERAMIC	0.022U J 16V
C1633	CERAMIC	24P J 50V
C1634	CERAMIC	10P D 50V
C1635	CERAMIC	0.1U Z 50V
C1636	CERAMIC	0.01U M 16V
C1637	ELECT	47U M 6.3V
C2001	ELECT	0.22U M 50V
C2002	CERAMIC	0.01U K 16V
C2003	ELECT	33U M 6.3V
C2004	CERAMIC	2200P M 16V
C2005	ELECT	1U M 50V
C2006	CERAMIC	0.012U K 16V
C2007	ELECT	10U M 16V
C2009	CERAMIC	220P J 50V
C2010	CERAMIC	2700P M 16V
C2019	ELECT	47U M 16V
C2021	CERAMIC	0.022U Z 25V
C2022	CERAMIC	4700P M 16V
C2023	CERAMIC	220P K 50V
C2024	POLYPRO	6800P J 100V
C2025	CERAMIC	8200P K 16V
C2027	CERAMIC	0.022U K 16V
C2030	ELECT	10U M 16V
C2301	ELECT	10U M 16V
C2302	ELECT	10U M 16V
C2303	ELECT	10U M 16V
C2304	ELECT	10U M 16V
C2305	ELECT	10U M 16V
C2306	ELECT	10U M 16V
C2307	ELECT	10U M 16V
C2308	ELECT	10U M 16V
C2310	ELECT	33U M 6.3V
C2311	ELECT	33U M 6.3V
C2312	ELECT	33U M 6.3V
C2313	CERAMIC	0.047U K 16V
C2314	CERAMIC	0.047U K 16V
C2315	ELECT	2.2U M 50V
C2316	ELECT	2.2U M 50V
C2317	ELECT	100U M 6.3V
C2318	ELECT	100U M 6.3V
C2319	CERAMIC	0.015U K 16V
C2320	CERAMIC	0.015U K 16V
C2321	CERAMIC	0.01U J 16V
C2322	CERAMIC	0.01U J 16V
C2323	CERAMIC	0.01U K 16V
C2324	CERAMIC	0.01U K 16V
C2325	CERAMIC	0.01U M 16V
C2326	CERAMIC	0.01U M 16V
C2327	ELECT	47U M 6.3V
C2328	ELECT	47U M 6.3V
C2329	CERAMIC	0.01U M 16V
C2330	CERAMIC	0.01U M 16V
C2331	ELECT	10U M 16V
C2332	ELECT	10U M 16V
C2333	ELECT	10U M 16V
C2334	ELECT	47U M 16V
C2343	ELECT	10U M 16V
		(EXCEPT VCR 3784VPS/SV)
C2344	MT-POLYEST	0.22U J 50V
C2345	CERAMIC	270P J 50V
C2346	CERAMIC	2200P J 16V

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
C2350		CERAMIC 0.01U M 16V	C6004		MT-POLYEST 0.1U J 50V (EXCEPT VCR 3784N/SV)
C2352		ELECT 10U M 16V	C6005		ELECT 4.7U M 25V (VCR 3784VPS/SV ONLY)
C2353		ELECT 22U M 6.3V	C6006		ELECT 47U M 16V
C2354		ELECT 1U M 50V	C6007		CERAMIC 0.047U Z 16V (EXCEPT VCR 3784N/SV)
C2361		ELECT 47U M 6.3V	C6009		ELECT 22U M 50V
C2362		CERAMIC 0.01U M 16V	C6010		CERAMIC 0.1U Z 50V
C2371		CERAMIC 0.01U M 16V	C6011		ELECT 4.7U M 25V (EXCEPT VCR 3784VPS/SV)
C2372		CERAMIC 0.01U M 16V	C6012		ELECT 4.7U M 25V (EXCEPT VCR 3784VPS/SV)
C2401		CERAMIC 0.01U M 16V	C6013		CERAMIC 470P K 50V
C2402		ELECT 47U M 6.3V	C6022		MT-POLYEST 0.033U J 50V (EXCEPT VCR 3784VPS/SV)
C2403		CERAMIC 0.01U M 16V	C6031		CERAMIC 390P J 50V (VCR 3784UK/VP ONLY)
C2407		ELECT 47U M 16V (EXCEPT VCR 3784UK/VP)	C6032		CERAMIC 0.01U M 16V (EXCEPT VCR 3784VPS/SV)
C2501		POLYPRO 0.047U J 100V	C6097		CERAMIC 0.01U M 16V (EXCEPT VCR 3784VPS/SV)
C2502		ELECT 47U M 16V	C6098		ELECT 100U M 6.3V (EXCEPT VCR 3784VPS/SV)
C2503		CERAMIC 0.01U M 16V	C6099		CERAMIC 0.01U M 16V
C2504		CERAMIC 0.01U M 16V	C6301		ELECT 100U M 16V (VCR 3784VPS/SV ONLY)
C3001		ELECT 2.2U M 50V	C6302		CERAMIC 0.01U M 16V (VCR 3784VPS/SV ONLY)
C3002		CERAMIC 0.01U M 16V	C6303		ELECT 10U M 50V (VCR 3784VPS/SV ONLY)
C3003		CERAMIC 0.1U Z 25V	C6304		ELECT 2.2U M 50V (VCR 3784VPS/SV ONLY)
C3004		CERAMIC 0.01U M 16V	C6305		ELECT 4.7U M 25V (VCR 3784VPS/SV ONLY)
C3005		CERAMIC 0.01U M 16V	C6306		ELECT 4.7U M 25V (VCR 3784VPS/SV ONLY)
C3008		ELECT 10U M 16V	C6307		ELECT 0.22U M 50V (VCR 3784VPS/SV ONLY)
C3009		CERAMIC 0.01U M 16V	C6308		CERAMIC 0.01U M 16V (VCR 3784VPS/SV ONLY)
C3010		CERAMIC 12P J 50V	C6309		CERAMIC 0.01U M 16V (VCR 3784VPS/SV ONLY)
C3011		CERAMIC 20P J 50V	C6312		CERAMIC 0.01U M 16V (VCR 3784VPS/SV ONLY)
C3012		CERAMIC 0.01U M 16V	C6313		CERAMIC 82P J 50V (VCR 3784VPS/SV ONLY)
C3013		CERAMIC 0.01U M 16V	C6314		ELECT 10U M 50V (VCR 3784VPS/SV ONLY)
C3014		ELECT 470U M 6.3V	C6601		ELECT 10U M 16V
C3015		CERAMIC 10P J 50V	C6602		ELECT 10U M 50V
C3016		CERAMIC 0.01U M 16V	C6611		ELECT 22U M 10V
C3017		CERAMIC 330P K 50V	C6621		CERAMIC 33P J 50V
C3020		CERAMIC 0.1U Z 50V	C6622		CERAMIC 33P J 50V (VCR 3784UK/VP ONLY)
C3021		CERAMIC 0.1U Z 50V	OR		CERAMIC 39P J 50V (EXCEPT VCR 3784UK/VP)
C3022	3422 8772	DL-ELECT 0.047F Z 5.5V	C6901		CERAMIC 0.1U Z 50V
C3050		CERAMIC 0.01U M 16V	C6902		ELECT 10U M 16V
C3051		CERAMIC 0.1U Z 25V	C6903		CERAMIC 0.022U Z 25V
C3055		CERAMIC 0.1U Z 50V	C6904		ELECT 0.22U M 50V
C3501		CERAMIC 0.015U K 16V	C6905		CERAMIC 0.1U Z 50V
C3502		CERAMIC 6800P K 16V	C6921		CERAMIC 0.1U Z 50V (EXCEPT VCR 3784N/SV)
C3503		CERAMIC 0.015U K 16V	C6924		MT-POLYEST 0.33U J 50V (EXCEPT VCR 3784N/SV)
C3505		ELECT 22U M 10V	C6925		MT-POLYEST 0.22U J 50V (EXCEPT VCR 3784N/SV)
C3506		CERAMIC 6800P K 16V	C6930		CERAMIC 180P K 50V (EXCEPT VCR 3784N/SV)
C3508		ELECT 22U M 10V			
C3509		ELECT 47U M 6.3V			
C3510		CERAMIC 0.01U M 16V			
C3511		CERAMIC 220P K 50V			
C3513		CERAMIC 0.068U K 16V			
C3514		POLYESTER 0.1U K 50V			
C3515		POLYESTER 0.022U K 50V			
C3516		CERAMIC 2200P K 16V			
C3517		CERAMIC 1500P K 16V			
C3522		CERAMIC 1000P K 50V			
C3523		ELECT 1U M 50V			
C3524		CERAMIC 0.01U M 16V			
C3525		ELECT 0.47U M 50V			
C3526		CERAMIC 0.022U K 16V			
C3530		ELECT 47U M 6.3V			
C3536		ELECT 220U M 6.3V			
C3551		MT-POLYEST 0.12U J 50V			
C3552		CERAMIC 56P J 50V			
C3553		ELECT 1U M 50V			
C3554		CERAMIC 150P J 50V			
C3555		CERAMIC 0.01U M 16V			
C3556		CERAMIC 1000P K 50V			
C3558		ELECT 33U M 16V			
C3560		CERAMIC 100P K 50V			
C3570		CERAMIC 0.1U Z 50V			
C3571		CERAMIC 0.1U Z 50V			
C3599		MT-POLYEST 0.039U J 50V			
C6001		CERAMIC 0.1U Z 50V (EXCEPT VCR 3784N/SV)			
C6002		ELECT 4.7U M 25V (VCR 3784VPS/SV ONLY)			
C6003		ELECT 1U M 50V (VCR 3784VPS/SV ONLY)			
			(RESISTORS)		
			R1001		CARBON 3.3K JA 1/4W
			R1002		CARBON 1.2K JA 1/4W
			R1003		CARBON 3.9K JA 1/4W
			R1004		CARBON 1K JA 1/4W
			R1005		CARBON 750 JA 1/4W

LOCATION	PARTS NO.	DESCRIPTION
R1006	CARBON 430 JA 1/4W	
R1007	CARBON 1K JA 1/4W	
R1008	CARBON 2.7K JA 1/4W	
R1009	CARBON 1K JA 1/4W	
R1011	CARBON 100K JA 1/4W	
R1012	CARBON 1K JA 1/4W	
R1013	CARBON 1K JA 1/4W	
R1014	CARBON 2.2K JA 1/4W	
R1018	CARBON 1K JA 1/4W	
R1019	CARBON 22K JA 1/4W	
R1020	CARBON 15K JA 1/4W	
R1021	CARBON 1.2K JA 1/4W	
R1022	CARBON 470 JA 1/4W	
R1026	CARBON 1M JA 1/4W	
R1027	CARBON 8.2K JA 1/4W	
R1028	CARBON 1.8K JA 1/4W	
R1029	CARBON 1K JA 1/4W	
R1030	CARBON 4.7K JA 1/4W	
R1031	CARBON 1.8K JA 1/4W	
R1032	CARBON 22K JA 1/4W	
R1033	CARBON 1K JA 1/4W	
R1035	CARBON 470 JA 1/4W	
R1036	CARBON 1.5K JA 1/4W	
R1038	CARBON 1K JA 1/4W	
R1040	CARBON 150 JA 1/4W	
R1041	CARBON 100 JA 1/4W	
	(VCR 3784VPS/SV ONLY)	
R1042	CARBON 1K JA 1/4W	
	(VCR 3784VPS/SV ONLY)	
R1044	CARBON 12K JA 1/4W	
R1046	CARBON 33K JA 1/4W	
R1047	CARBON 8.2K JA 1/4W	
R1048	CARBON 4.7K JA 1/4W	
R1049	CARBON 12K JA 1/4W	
R1052	CARBON 1K JA 1/4W	
R1053	CARBON 330 JA 1/4W	
R1054	CARBON 3.3K JA 1/4W	
R1058	CARBON 4.7K JA 1/4W	
R1059	CARBON 1.8K JA 1/4W	
R1063	CARBON 22K JA 1/4W	
R1065	CARBON 1K JA 1/4W	
R1071	CARBON 2.7K JA 1/4W	
R1072	CARBON 1.8K JA 1/4W	
R1104	CARBON 560 JA 1/4W	
R1105	CARBON 1K JA 1/4W	
R1106	CARBON 1K JA 1/4W	
R1107	CARBON 2.2K JA 1/4W	
R1153	CARBON 4.7K JA 1/4W	
R1154	CARBON 4.7K JA 1/4W	
R1312	CARBON 10K JA 1/4W	
R1601	CARBON 560 JA 1/4W	
R1602	CARBON 68 JA 1/4W	
	(VCR 3784UK/VP ONLY)	
R1621	CARBON 22K JA 1/4W	
R1622	CARBON 4.3K JA 1/4W	
R1623	CARBON 1.5K JA 1/4W	
R1624	CARBON 10K JA 1/4W	
R1625	CARBON 6.8K JA 1/4W	
R1626	CARBON 100K JA 1/4W	
R1627	CARBON 220 JA 1/4W	
R1628	CARBON 100 JA 1/4W	
R1629	CARBON 2.2K JA 1/4W	
R1630	CARBON 1.5K JA 1/4W	
R1631	CARBON 6.8K JA 1/4W	
R1632	CARBON 1K JA 1/4W	
R1633	CARBON 560 JA 1/4W	
	(VCR 3784UK/VP ONLY)	
R1634	CARBON 1K JA 1/4W	
	(EXCEPT VCR 3784UK/VP)	
R1691	CARBON 680 JA 1/4W	
	(VCR 3784UK/VP ONLY)	
OR	CARBON 820 JA 1/4W	
	(EXCEPT VCR 3784UK/VP)	
R1692	CARBON 820 JA 1/4W	
	(EXCEPT VCR 3784UK/VP)	
R1693	CARBON 1K JA 1/4W	
	(VCR 3784UK/VP ONLY)	
OR	CARBON 13K JA 1/4W	
	(EXCEPT VCR 3784UK/VP)	

LOCATION	PARTS NO.	DESCRIPTION
R1694	CARBON 9.1K JA 1/4W	
	(EXCEPT VCR 3784UK/VP)	
R1695	CARBON 1K JA 1/4W	
	(EXCEPT VCR 3784UK/VP)	
R2001	CARBON 2.7K JA 1/4W	
R2002	CARBON 10K JA 1/4W	
R2003	CARBON 270K JA 1/4W	
R2004	CARBON 240 JA 1/4W	
R2005	CARBON 20K JA 1/4W	
R2006	CARBON 2.2K JA 1/4W	
R2007	CARBON 16K JA 1/4W	
R2008	CARBON 15K JA 1/4W	
R2010	CARBON 3.3K JA 1/4W	
R2013	△ 3151 7957 FUSIBLE RES 22 JA 1/4W	
R2015	CARBON 4.7 JA 1/4W	
R2020	CARBON 3.3K JA 1/4W	
R2035	CARBON 22K JA 1/4W	
R2036	CARBON 47 JA 1/4W	
R2038	CARBON 100 JA 1/4W	
R2301	CARBON 47K JA 1/4W	
R2302	CARBON 47K JA 1/4W	
R2303	CARBON 24K JA 1/4W	
R2304	CARBON 24K JA 1/4W	
R2305	CARBON 47K JA 1/4W	
R2306	CARBON 47K JA 1/4W	
R2307	CARBON 24K JA 1/4W	
R2308	CARBON 24K JA 1/4W	
R2309	CARBON 33K JA 1/4W	
R2310	CARBON 33K JA 1/4W	
R2311	CARBON 30K JA 1/4W	
R2312	CARBON 30K JA 1/4W	
R2313	CARBON 510 JA 1/4W	
R2314	CARBON 510 JA 1/4W	
R2315	CARBON 4.7K JA 1/4W	
R2316	CARBON 4.7K JA 1/4W	
R2317	CARBON 12K JA 1/4W	
R2318	CARBON 12K JA 1/4W	
R2319	CARBON 3.9K JA 1/4W	
R2320	CARBON 3.9K JA 1/4W	
R2321	MT-FILM 15K FD 1/4W	
R2322	MT-FILM 12K FD 1/4W	
R2323	CARBON 2.7K JA 1/4W	
R2324	CARBON 1K JA 1/4W	
R2329	CARBON 220 JA 1/4W	
R2330	CARBON 220 JA 1/4W	
R2335	CARBON 10K JA 1/4W	
R2336	CARBON 22K JA 1/4W	
R2338	CARBON 3.9M JA 1/4W	
R2339	CARBON 1K JA 1/4W	
R2340	CARBON 12K JA 1/4W	
R2343	CARBON 390K JA 1/4W	
R2344	CARBON 10K JA 1/4W	
R2345	CARBON 10K JA 1/4W	
R2346	CARBON 2.2K JA 1/4W	
R2347	CARBON 10K JA 1/4W	
R2348	CARBON 10K JA 1/4W	
R2349	CARBON 10K JA 1/4W	
R2350	CARBON 510K JA 1/4W	
R2351	CARBON 47K JA 1/4W	
R2352	CARBON 47K JA 1/4W	
R2353	CARBON 24K JA 1/4W	
R2354	CARBON 24K JA 1/4W	
R2355	CARBON 33K JA 1/4W	
	(EXCEPT VCR 3784VPS/SV)	
R2356	CARBON 30K JA 1/4W	
	(EXCEPT VCR 3784VPS/SV)	
R2360	CARBON 22K JA 1/4W	
R2361	CARBON 10K JA 1/4W	
R2368	CARBON 1K JA 1/4W	
R2371	CARBON 1.8K JA 1/4W	
R2380	CARBON 220K JA 1/4W	
R2403	CARBON 1K JA 1/4W	
R2404	CARBON 10K JA 1/4W	
	(EXCEPT VCR 3784UK/VP)	
R2405	CARBON 3.3K JA 1/4W	
	(EXCEPT VCR 3784UK/VP)	

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
R2406		CARBON 1K JA 1/4W	R6011		CARBON 330K JA 1/4W (EXCEPT VCR 3784N/SV)
R2407		CARBON 1K JA 1/4W (EXCEPT VCR 3784UK/VP)	R6014		CARBON 2K JA 1/4W (VCR 3784VPS/SV ONLY)
R2501	△ 3151 7957	FUSIBLE RES 22 JA 1/4W	R6016		CARBON 100K JA 1/4W (EXCEPT VCR 3784VPS/SV)
R2502		CARBON 47 JA 1/4W	R6017		CARBON 91K JA 1/4W (EXCEPT VCR 3784VPS/SV)
R2503		CARBON 15K JA 1/4W	R6018		CARBON 91K JA 1/4W (EXCEPT VCR 3784VPS/SV)
R2504		CARBON 10 JA 1/4W	R6019		CARBON 2.2K JA 1/4W (EXCEPT VCR 3784VPS/SV)
R2505		CARBON 10K JA 1/4W	R6021		CARBON 2.2K JA 1/4W (EXCEPT VCR 3784VPS/SV)
R2506		CARBON 10K JA 1/4W	R6022		CARBON 6.8K JA 1/4W (EXCEPT VCR 3784VPS/SV)
R3001	△ 3151 7950	FUSIBLE RES 3.3 JA 1/2W	R6301		CARBON 4.7K JA 1/4W (VCR 3784VPS/SV ONLY)
R3002		CARBON 750 JA 1/4W	R6302		CARBON 470 JA 1/4W (VCR 3784VPS/SV ONLY)
R3004		CARBON 1.5K JA 1/4W	R6303		CARBON 330 JA 1/4W (VCR 3784VPS/SV ONLY)
R3008		CARBON 47K JA 1/4W	R6304		CARBON 330 JA 1/4W (VCR 3784VPS/SV ONLY)
R3009		CARBON 4.7K JA 1/4W	R6309		CARBON 560 JA 1/4W (VCR 3784VPS/SV ONLY)
R3010		CARBON 4.7K JA 1/4W	R6312		CARBON 10K JA 1/4W (VCR 3784VPS/SV ONLY)
R3011		CARBON 4.7K JA 1/4W	R6313		CARBON 12K JA 1/4W (VCR 3784VPS/SV ONLY)
R3012		CARBON 4.7K JA 1/4W	R6314		CARBON 8.2K JA 1/4W (VCR 3784VPS/SV ONLY)
R3013		CARBON 4.7K JA 1/4W	R6315		CARBON 10K JA 1/4W (VCR 3784VPS/SV ONLY)
R3014		CARBON 200K JA 1/4W	R6316		CARBON 1K JA 1/4W (VCR 3784VPS/SV ONLY)
R3015		CARBON 200K JA 1/4W	R6317		CARBON 1K JA 1/4W (VCR 3784VPS/SV ONLY)
R3018		CARBON 10K JA 1/4W	R6611		CARBON 1.3K JA 1/4W
R3022		CARBON 100K JA 1/4W	R6612		CARBON 1.8K JA 1/4W
R3023		CARBON 1K JA 1/4W	R6613		CARBON 560 JA 1/4W
R3024		CARBON 1K JA 1/4W	R6621		CARBON 5.6K JA 1/4W
R3025		CARBON 1K JA 1/4W	R6622		CARBON 1K JA 1/4W
R3026		CARBON 1K JA 1/4W	R6623		CARBON 820 JA 1/4W
R3027		CARBON 10K JA 1/4W	R6624		CARBON 1.8K JA 1/4W
R3028		CARBON 10K JA 1/4W	R6901		CARBON 1K JA 1/4W
R3029		CARBON 10K JA 1/4W	R6902		CARBON 330 JA 1/4W
R3030		CARBON 10K JA 1/4W	R6903		CARBON 620 JA 1/4W
R3032		CARBON 33K JA 1/4W	R6904		CARBON 10K JA 1/4W
R3036		CARBON 10K JA 1/4W	R6905		CARBON 330K JA 1/4W
R3038		CARBON 1K JA 1/4W	R6906		CARBON 10K JA 1/4W
R3043		CARBON 10K JA 1/4W	R6907		CARBON 3.3K JA 1/4W
R3501		CARBON 100K JA 1/4W	R6908		CARBON 82 JA 1/4W
R3502		CARBON 100K JA 1/4W	R6909		CARBON 1K JA 1/4W
R3503		CARBON 330K JA 1/4W	R6910		CARBON 510 JA 1/4W
R3504		CARBON 150K JA 1/4W	R6911		CARBON 5.6K JA 1/4W
R3505		CARBON 15K JA 1/4W	R6912		CARBON 3.9K JA 1/4W
R3506		CARBON 220K JA 1/4W	R6921		CARBON 3.9K JA 1/4W (EXCEPT VCR 3784N/SV)
R3507		CARBON 150K JA 1/4W	R6923		CARBON 10K JA 1/4W (EXCEPT VCR 3784N/SV)
R3508		CARBON 27K JA 1/4W	R6924		CARBON 10K JA 1/4W (EXCEPT VCR 3784N/SV)
R3516		CARBON 10K JA 1/4W	R6925		CARBON 18K JA 1/4W (EXCEPT VCR 3784N/SV)
R3517		CARBON 47K JA 1/4W	R6926		CARBON 15K JA 1/4W (EXCEPT VCR 3784N/SV)
R3518		CARBON 47K JA 1/4W	R6927		CARBON 12K JA 1/4W (EXCEPT VCR 3784N/SV)
R3520		CARBON 330K JA 1/4W	R6928		CARBON 120 JA 1/4W (VCR 3784VPS/SV ONLY)
R3521		CARBON 10K JA 1/4W	R6930		CARBON 33K JA 1/4W (EXCEPT VCR 3784N/SV)
R3525		CARBON 1K JA 1/4W			
R3526		CARBON 2.2K JA 1/4W			
R3527		CARBON 1K JA 1/4W			
R3528		CARBON 510 JA 1/4W			
R3529		CARBON 510 JA 1/4W			
R3533		CARBON 1.5K JA 1/4W			
R3537		CARBON 8.2K JA 1/4W			
R3546		CARBON 4.7K JA 1/4W			
R3547		CARBON 15K JA 1/4W			
R3549		CARBON 10K JA 1/4W			
R3550		CARBON 8.2K JA 1/4W			
R3551		CARBON 10K JA 1/4W			
R3552		CARBON 100K JA 1/4W			
R3553		CARBON 220K JA 1/4W			
R3555		CARBON 100K JA 1/4W			
R3556		CARBON 10K JA 1/4W			
R3557		CARBON 330K JA 1/4W			
R3558		CARBON 470 JA 1/4W			
R3560		CARBON 1K JA 1/4W			
R6003		CARBON 1M JA 1/4W (EXCEPT VCR 3784N/SV)			
R6004		CARBON 1M JA 1/4W (EXCEPT VCR 3784N/SV)			
R6005		CARBON 620K JA 1/4W (EXCEPT VCR 3784N/SV)			
R6006		CARBON 390K JA 1/4W			
R6007		CARBON 560K JA 1/4W			
R6010		CARBON 330K JA 1/4W (EXCEPT VCR 3784N/SV)			
			(SWITCHES)		
			S3101		SW,PUSH,REW
			OR	4112 7524	SWITCH,PUSH,REW

LOCATION	PARTS NO.	DESCRIPTION
S3102		SW,PUSH,PLAY
OR	4112 7524	SWITCH,PUSH,PLAY
S3103		SW,PUSH,REC
OR	4112 7524	SWITCH,PUSH,REC
S3104		SW,PUSH,EJECT
OR	4112 7524	SWITCH,PUSH,EJECT
S3105		SW,PUSH,FF
OR	4112 7524	SWITCH,PUSH,FF
S3106		SW,PUSH,STOP
OR	4112 7524	SWITCH,PUSH,STOP
S3107		SW,PUSH,PAUSE
OR	4112 7524	SWITCH,PUSH,PAUSE
S3108		SW,PUSH,POWER
OR	4112 7524	SWITCH,PUSH,POWER
S3117		SW,PUSH,CH +
OR	4112 7524	SWITCH,PUSH,CH +
S3118		SW,PUSH,CH -
OR	4112 7524	SWITCH,PUSH,CH -

(PROTECTOR)

PR241	4375 2113	CIRCUIT PROTECTOR
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COMPL PWB,VP-1

COMPL.NO.6913 6639

(SEMICONDUCTORS)

Q1802	3614 4691	TR KSC2785-Y
OR	3614 3781	TR 2SC1740S-DCTP-Q
OR	3614 5240	TR 2SC1740S-DCTP-R
OR	3614 4947	TR 2SC536-E-SPA-AC
OR	3614 3969	TR 2SC536-F-SPA-AC
Q1850	3614 4690	TR KSA1175-Y
OR	3614 4942	TR 2SA608-E-SPA-AC
OR	3614 5281	TR 2SA608-F-SPA-AC
OR	3614 4542	TR 2SA933S-TP-Q
OR	3614 5540	TR 2SA933S-T93-R
Q1851	3614 4463	TR 2SC2058S-DCTP-Q
OR	3614 4306	TR 2SC2839-E-SPA-AC
OR	3614 4436	TR 2SC2839-F-SPA-AC
Q1852	3614 4690	TR KSA1175-Y
OR	3614 4942	TR 2SA608-E-SPA-AC
OR	3614 5281	TR 2SA608-F-SPA-AC
OR	3614 4542	TR 2SA933S-TP-Q
OR	3614 5540	TR 2SA933S-T93-R
Q2901	3614 5240	TR 2SC1740S-DCTP-R
OR	3614 4675	TR 2SC1740S-DCTP-S
OR	3614 3969	TR 2SC536-F-SPA-AC
OR	3614 4435	TR 2SC536-G-SPA-AC

(INTEGRATED CIRCUITS)

IC181	3771 6590	IC LA7374
IC191	3771 6756	IC TEA5750
IC291	3771 6747	IC LA7270

(DIODES)

D1801	3656 2770	DIODE GMA01-BT
OR	3656 2230	DIODE 1SS133-T-77
D1901	3656 3659	ZENER DIODE GZS2.7X-BT
OR	3656 3587	ZENER DIODE MTZJ2.7A-T-77

(VARIABLE RESISTORS)

VR181	3111 8928	SEMI VR 1KB
OR		VR,SEMI 1KB
VR182	3111 8971	SEMI VR 2.2KXB
OR	3112 9636	VR,SEMI 2.2KB

(INDUCTORS)

L1831	4543 8766	COIL,INDUCTOR 6.8UHK
OR		HF CHOKE 6.8UHK
L1832	4543 3246	COIL,INDUCTOR 22UHK
OR		HF CHOKE 22UHK
L1834	4543 1960	COIL,INDUCTOR 180UHK
OR		HF CHOKE 180UHK
L1851	4543 2199	COIL,INDUCTOR 100UHK

LOCATION	PARTS NO.	DESCRIPTION
L1851		HF CHOKE 100UHK
L1852	4543 3251	COIL,INDUCTOR 68UHK
OR		HF CHOKE 68UHK
L1901	4543 1949	COIL,INDUCTOR 47UHK
L1902	4543 1949	COIL,INDUCTOR 47UHK
L1903	4543 4007	COIL,INDUCTOR 120UHK
L1931	4543 3251	COIL,INDUCTOR 68UHK
OR		HF CHOKE 68UHK

(CAPACITORS)

C1801	OS-SOLID	4.7U	M	10V
C1802	CERAMIC	0.1U	Z	50V
C1803	CERAMIC	0.015U	J	16V
C1804	CERAMIC	0.01U	M	16V
C1805	ELECT	0.33U	M	50V
C1806	CERAMIC	0.01U	M	16V
C1808	CERAMIC	0.01U	M	16V
C1809	CERAMIC	0.01U	M	16V
C1810	CERAMIC	0.01U	M	16V
C1811	CERAMIC	0.01U	M	16V
C1812	CERAMIC	0.01U	M	16V
C1813	CERAMIC	0.01U	M	16V
C1814	CERAMIC	0.01U	M	16V
C1815	CERAMIC	0.047U	M	16V
C1816	CERAMIC	0.047U	M	16V
C1817	CERAMIC	0.047U	M	16V
C1818	CERAMIC	0.047U	M	16V
C1831	CERAMIC	47P	J	50V
C1832	CERAMIC	180P	J	50V
C1834	CERAMIC	330P	J	50V
C1851	CERAMIC	390P	J	50V
C1852	CERAMIC	330P	J	50V
C1853	CERAMIC	22P	J	50V
C1855	CERAMIC	82P	J	50V
C1861	CERAMIC	0.1U	Z	50V
C1862	ELECT	47U	M	6.3V
C1867	CERAMIC	47P	J	50V
C1901	CERAMIC	220P	J	50V
C1902	CERAMIC	100P	J	50V
C1903	CERAMIC	0.01U	K	50V
C1904	CERAMIC	39P	J	50V
C1905	CERAMIC	0.01U	K	50V
C1906	CERAMIC	0.01U	K	50V
C1909	OS-SOLID	1U	M	25V
C2901	ELECT	47U	M	6.3V
C2902	CERAMIC	0.01U	M	16V
C2903	CERAMIC	0.01U	M	16V
C2904	CERAMIC	0.01U	M	16V
C2905	ELECT	47U	M	16V
C2906	CERAMIC	0.01U	M	16V
C2907	CERAMIC	0.01U	M	16V
C2908	ELECT	0.1U	M	50V
C2909	CERAMIC	0.01U	M	16V
C2910	CERAMIC	0.01U	M	16V
C2911	CERAMIC	0.01U	M	16V
C2912	CERAMIC	0.01U	M	16V
C2913	CERAMIC	0.01U	M	16V
(RESISTORS)				
R1801	CARBON	5.6K	JA	1/4W
R1802	CARBON	12K	JA	1/4W
R1803	CARBON	22K	JA	1/4W
R1805	CARBON	22K	JA	1/4W
R1806	CARBON	1K	JA	1/4W
R1807	CARBON	470	JA	1/4W
R1808	CARBON	2.2K	JA	1/4W
R1809	CARBON	1.2K	JA	1/4W
R1810	CARBON	1K	JA	1/4W
R1811	CARBON	1.3K	JA	1/4W
R1812	CARBON	5.6K	JA	1/4W
R1813	CARBON	5.6K	JA	1/4W
R1814	CARBON	33K	JA	1/4W
R1815	CARBON	33K	JA	1/4W
R1816	CARBON	2.2K	JA	1/4W
R1817	CARBON	2.2K	JA	1/4W

LOCATION	PARTS NO.	DESCRIPTION
R1831		CARBON 470 JA 1/4W
R1832		CARBON 1K JA 1/4W
R1850		CARBON 1.8K JA 1/4W
R1851		CARBON 330 JA 1/4W
R1852		CARBON 22K JA 1/4W
R1853		CARBON 22K JA 1/4W
R1854		CARBON 390 JA 1/4W
R1855		CARBON 390 JA 1/4W
R1856		CARBON 1.8K JA 1/4W
R1860		CARBON 470 JA 1/4W
R1869		CARBON 1.8K JA 1/4W
R1901		MT-GLAZE 22K JA 1/10W
R1902		MT-GLAZE 27K JA 1/10W
R1903		MT-GLAZE 1K JA 1/10W
R1904		MT-GLAZE 100 JA 1/10W
R1905		MT-GLAZE 820 JA 1/10W
R1906		MT-GLAZE 2.7K JA 1/10W
R1907		MT-GLAZE 1M JA 1/10W
R1908		MT-FILM 1.2K FD 1/4W
R1909		MT-FILM 1.1K FD 1/4W
R1931		CARBON 82 JA 1/4W
R1932		CARBON 82 JA 1/4W
R2901		CARBON 4.7 JA 1/4W
R2902		CARBON 10 JA 1/4W
R2903		CARBON 180 JA 1/4W
R2904		CARBON 120 JA 1/4W
R2905		CARBON 1K JA 1/4W
R2906		CARBON 2.2K JA 1/4W
R2907		CARBON 180 JA 1/4W
R2908		CARBON 1K JA 1/4W

COMPL PWB,TM-1

COMPL.NO.6913 6638

(REMOTE RECEIVERS)

RR711	6913 6685	IR RECEIVER	PACK UNIT
OR		IR RECEIVER	PACK UNIT

(DISPLAYS)

A7101	3686 1162	FLUORESCENT TUBE
OR		FLUORESCENT TUBE

(MISCELLANEOUS)

8681 5261	HOLDER FL
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COMPL PCB,TM-8

COMPL.NO.6913 0957 (VCR 3784VPS/SV ONLY)

(INTEGRATED CIRCUIT)

IC781	3771 5597	IC SDA5642(VCR 3784VPS/SV ONLY)
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(CAPACITORS)

C7802		CERAMIC 150P J 50V
		(VCR 3784VPS/SV ONLY)
C7804		POLYESTER 0.1U J 50V
		(VCR 3784VPS/SV ONLY)

(RESISTORS)

R7805		MT-GLAZE 2.2K JA 1/10W
		(VCR 3784VPS/SV ONLY)
R7806		MT-GLAZE 1M JA 1/10W
		(VCR 3784VPS/SV ONLY)
R7807		MT-GLAZE 820K JA 1/10W
		(VCR 3784VPS/SV ONLY)
R7808		MT-GLAZE 100K JA 1/10W
		(VCR 3784VPS/SV ONLY)
R7809		MT-GLAZE 10K JA 1/10W
		(VCR 3784VPS/SV ONLY)
R7810		MT-GLAZE 1.2M JA 1/10W
		(VCR 3784VPS/SV ONLY)
R7811		MT-GLAZE 100 JA 1/10W
		(VCR 3784VPS/SV ONLY)
R7812		MT-GLAZE 5.6K JA 1/10W
		(VCR 3784VPS/SV ONLY)

COMPL PWB,PW-1

COMPL.NO.6913 6674 (VCR 3784UK/VP ONLY)

LOCATION	PARTS NO.	DESCRIPTION
COMPL.NO.6913 6641		(VCR 3784N/SV ONLY)
COMPL.NO.6913 6644		(VCR 3784VPS/SV ONLY)
(SEMICONDUCTORS)		
Q5001	3614 7732	TR 2SK2083-FD13
Q5002	3614 4448	TR 2SC3330-T-AC
Q5003	3614 4541	TR 2SA1703-S-AN
(INTEGRATED CIRCUITS)		
IC511	3771 5863	IC L5431-AA
IC512	3771 6750	IC PQ12SZ11
(DIODES)		
D5001	3656 3652	DIODE DBC10G
D5003	3656 3178	DIODE AP01C-V0
D5004	3656 3131	DIODE 1SS244-T-77
D5005	3656 3131	DIODE 1SS244-T-77
D5006	3656 8809	ZENER DIODE GZB18C
D5007	3656 3131	DIODE 1SS244-T-77
D5008	3656 3131	DIODE 1SS244-T-77
D5011	△ 3681 1830	PHOTO COUPLE PC120FB
D5101	3656 3653	DIODE ERC30-02L38
D5102	3656 3660	DIODE ERB84-009L38
D5103	3656 3181	DIODE AG01-V2
OR	3656 3080	DIODE ERA38-04-V5
D5104	3656 3131	DIODE 1SS244-T-77
D5105	3656 3181	DIODE AG01-V2
OR	3656 3080	DIODE ERA38-04-V5
D5109	3656 3455	ZENER DIODE MTZJ4.7B-T-77
D5113	3656 3586	ZENER DIODE MTZJ18B-T-77
D5114	3614 7684	THYRISTOR 3P4J

(INDUCTORS)

L5001	△ 4552 6841	LINE FILTER(VCR 3784VPS/SV ONLY)
L5002	△ 4552 6978	COIL,LINE FILTER
L5101	4543 4008	FERRITE CORE
L5102	4543 3724	COIL,INDUCTOR 10UH K
OR		INDUCTOR 10U K
L5103	4654 1550	CORE

(TRANSFORMER)

T5001	△ 4511 3516	TRANS,POWER,PULSE
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(CAPACITORS)

C5001	△ 3261 9057	MT-POLYEST 0.22U M 250V
C5002	△ 3261 9056	MT-POLYEST 0.068U M 250V
C5003	△ 3261 9053	CERAMIC 470P M 400V
C5004	△ 3261 9054	CERAMIC 1500P M 400V
		(VCR 3784VPS/SV ONLY)
OR	△ 3261 9055	CERAMIC 2200P M 400V
		(EXCEPT VCR 3784VPS/SV)
C5010	3422 0154	ELECT 47U M 400V
C5011	3422 0201	ELECT 1U M 400V
C5012		POLYESTER 0.018U J 50V
C5013		POLYESTER 0.018U J 50V
C5014	3422 0155	ELECT 2.2U M 250V
C5016		OS-SOLID 2.2U M 16V
C5017		POLYESTER 4700P J 50V
C5101		ELECT 1000U M 16V
C5102	3422 0809	ELECT 470U M 16V
C5104		ELECT 1000U M 10V
C5105		ELECT 470U M 6.3V
C5106		ELECT 47U M 50V
C5107		ELECT 100U M 25V
C5108		ELECT 220U M 6.3V
C5109		MT-POLYEST 0.1U J 50V
C5110		MT-POLYEST 0.1U J 50V
C5111		CERAMIC 0.1U Z 50V
C5112		ELECT 100U M 16V

(RESISTORS)

R5001	△ 3151 7954	CARBON 2.7M KA 1/2W
R5010		OXIDE-MT 68K JA 2W
R5011		CARBON 1.5M JA 1/2W
R5012		CARBON 22K JA 1/4W
R5014		CARBON 390K JA 1/4W
R5015		CARBON 390K JA 1/4W
R5016		CARBON 390K JA 1/4W
R5017		CARBON 390K JA 1/4W

LOCATION	PARTS NO.	DESCRIPTION
R5018		CARBON 33 JA 1/2W
R5019		CARBON 100 JA 1/2W
R5020	3151 7910	OXIDE-MT 0.47 JA 1W
R5021		CARBON 27K JA 1/4W
R5022		CARBON 1 JA 1/4W
R5023		CARBON 22 JA 1/4W
R5024		CARBON 10K JA 1/4W
R5025		CARBON 1K JA 1/4W
R5103		CARBON 150 JA 1/4W
R5105		MT-FILM 560 FD 1/4W
R5106		MT-FILM 620 FD 1/4W
R5107		CARBON 100 JA 1/4W
R5108		CARBON 5.6K JA 1/4W
R5109		MT-FILM 82 FD 1/4W
R5112		CARBON 12K JA 1/4W
R5113		CARBON 430 JA 1/2W
OR		(EXCEPT VCR 3784N/SV)
		CARBON 820 JA 1/2W
		(VCR 3784N/SV ONLY)
R5114		CARBON 430 JA 1/2W
		(EXCEPT VCR 3784N/SV)
OR		CARBON 820 JA 1/2W
		(VCR 3784N/SV ONLY)
R5118		CARBON 8.2K JA 1/4W
R5119		CARBON 2.2K JA 1/4W
R5120	△ 3151 7955	FUSIBLE RES 1.5 JA 1/4W
R5121		CARBON 22 JB 1/4W

(FUSE)

F5001 △ 4375 2124 FUSE 250V 2.5A

(CONNECTOR)

CN501 △ 4144 8342 CONNECTOR,INLET
8681 4988 HOLDER,FUSE,F5001

COMPL PWB,TB-1

COMPL.NO.6913 6647 (VCR 3784UK/VP ONLY)

COMPL.NO.6913 6640 (VCR 3784N/SV ONLY)

COMPL.NO.6913 6645 (VCR 3784VPS/SV ONLY)

(SEMICONDUCTORS)

Q8601 3614 4690 TR KSA1175-Y(EXCEPT VCR 3784UK/VP)

OR 3614 4942 TR 2SA608-E-SPA-AC
(EXCEPT VCR 3784UK/VP)

OR 3614 5281 TR 2SA608-F-SPA-AC
(EXCEPT VCR 3784UK/VP)

OR 3614 4542 TR 2SA933S-TP-Q
(EXCEPT VCR 3784UK/VP)

OR 3614 5540 TR 2SA933S-T93-R
(EXCEPT VCR 3784UK/VP)

Q8602 3614 4690 TR KSA1175-Y(EXCEPT VCR 3784UK/VP)

OR 3614 4942 TR 2SA608-E-SPA-AC
(EXCEPT VCR 3784UK/VP)

OR 3614 5281 TR 2SA608-F-SPA-AC
(EXCEPT VCR 3784UK/VP)

OR 3614 4542 TR 2SA933S-TP-Q
(EXCEPT VCR 3784UK/VP)

OR 3614 5540 TR 2SA933S-T93-R
(EXCEPT VCR 3784UK/VP)

Q8603 3614 4377 TR DTC144EL-TL2
(EXCEPT VCR 3784UK/VP)

OR TR UN6213-(TA)
(EXCEPT VCR 3784UK/VP)

Q8604 3614 4377 TR DTC144EL-TL2
(EXCEPT VCR 3784UK/VP)

OR TR UN6213-(TA)
(EXCEPT VCR 3784UK/VP)

Q8605 3614 4614 TR 2SA1561-TL2-Q
(EXCEPT VCR 3784UK/VP)

OR 3614 4492 TR 2SA1561-TL2-R
(EXCEPT VCR 3784UK/VP)

OR TR 2SB1320A-Q-(TA)
(EXCEPT VCR 3784UK/VP)

OR TR 2SB1320A-R-(TA)
(EXCEPT VCR 3784UK/VP)

Q8651 3614 4379 TR 2SC4038-Q-TL2

OR 3614 4378 TR 2SC4038-R-TL2

OR TR 2SD1991A-Q-(TA)

LOCATION	PARTS NO.	DESCRIPTION
Q8651		TR 2SD1991A-R-(TA)
Q8652	3614 4614	TR 2SA1561-TL2-Q
OR	3614 4492	TR 2SA1561-TL2-R
OR		TR 2SB1320A-Q-(TA)
OR		TR 2SB1320A-R-(TA)
Q8661	3614 4377	TR DTC144EL-TL2
OR		TR UN6213-(TA)
Q8662	3614 4379	TR 2SC4038-Q-TL2
OR	3614 4378	TR 2SC4038-R-TL2
OR		TR 2SD1991A-Q-(TA)
OR		TR 2SD1991A-R-(TA)

(INTEGRATED CIRCUITS)

IC851 3771 6592 IC TC4053BF(EXCEPT VCR 3784UK/VP)

IC852 3771 6592 IC TC4053BF(EXCEPT VCR 3784UK/VP)

IC861 3771 4675 IC BA7021(VCR 3784UK/VP ONLY)

OR 3771 5789 IC LA7221(VCR 3784UK/VP ONLY)

IC862 3771 6532 IC BA7630S(EXCEPT VCR 3784UK/VP)

(DIODES)

D8601 3656 3392 ZENER DIODE GZS5.6X-BT
(VCR 3784UK/VP ONLY)

OR 3656 3081 ZENER DIODE MTZ5.6B-T-77
(VCR 3784UK/VP ONLY)

D8602 3656 3392 ZENER DIODE GZS5.6X-BT
(VCR 3784UK/VP ONLY)

OR 3656 3081 ZENER DIODE MTZ5.6B-T-77
(VCR 3784UK/VP ONLY)

D8603 3656 2770 DIODE GMA01-BT
(EXCEPT VCR 3784UK/VP)

OR 3656 2230 DIODE 1SS133-T-77
(EXCEPT VCR 3784UK/VP)

D8604 3656 2770 DIODE GMA01-BT
(EXCEPT VCR 3784UK/VP)

OR 3656 2230 DIODE 1SS133-T-77
(EXCEPT VCR 3784UK/VP)

D8605 3656 2770 DIODE GMA01-BT
(EXCEPT VCR 3784UK/VP)

OR 3656 2230 DIODE 1SS133-T-77
(EXCEPT VCR 3784UK/VP)

D8606 3656 2770 DIODE GMA01-BT
(EXCEPT VCR 3784UK/VP)

OR 3656 2230 DIODE 1SS133-T-77
(EXCEPT VCR 3784UK/VP)

D8607 3656 2770 DIODE GMA01-BT
(EXCEPT VCR 3784UK/VP)

OR 3656 2230 DIODE 1SS133-T-77
(EXCEPT VCR 3784UK/VP)

D8608 3656 3392 ZENER DIODE GZS5.6X-BT
(EXCEPT VCR 3784UK/VP)

OR 3656 3081 ZENER DIODE MTZ5.6B-T-77
(EXCEPT VCR 3784UK/VP)

D8609 3656 3392 ZENER DIODE GZS5.6X-BT
(EXCEPT VCR 3784UK/VP)

OR 3656 3081 ZENER DIODE MTZ5.6B-T-77
(EXCEPT VCR 3784UK/VP)

D8610 3656 3392 ZENER DIODE GZS5.6X-BT
(EXCEPT VCR 3784UK/VP)

OR 3656 3081 ZENER DIODE MTZ5.6B-T-77
(EXCEPT VCR 3784UK/VP)

D8611 3656 3392 ZENER DIODE GZS5.6X-BT
(EXCEPT VCR 3784UK/VP)

OR 3656 3081 ZENER DIODE MTZ5.6B-T-77
(EXCEPT VCR 3784UK/VP)

D8612 3656 3060 ZENER DIODE GZS15Y-BT
(EXCEPT VCR 3784UK/VP)

OR 3656 3575 ZENER DIODE MTZJ15B-T-77
(EXCEPT VCR 3784UK/VP)

D8651 3656 2770 DIODE GMA01-BT

OR 3656 2230 DIODE 1SS133-T-77

D8697 3656 3575 ZENER DIODE MTZJ15B-T-77

OR 3656 3060 ZENER DIODE GZS15Y-BT

(CAPACITORS)

C8502 CERAMIC 220P J 50V

C8504 CERAMIC 220P J 50V

LOCATION	PARTS NO.	DESCRIPTION
C8506	CERAMIC 1000P J 50V	
C8508	CERAMIC 1000P J 50V	
C8513	CERAMIC 220P J 50V	
C8522	CERAMIC 220P J 50V	
C8524	CERAMIC 220P J 50V	
C8526	CERAMIC 1000P J 50V	
C8528	CERAMIC 1000P J 50V	
C8533	CERAMIC 220P J 50V	
C8551	CERAMIC 1000P J 50V (EXCEPT VCR 3784UK/VP)	
C8552	CERAMIC 1000P J 50V (EXCEPT VCR 3784UK/VP)	
C8601	ELECT 10U M 16V	
C8602	ELECT 10U M 16V	
C8603	CERAMIC 100P J 50V (VCR 3784VPS/SV ONLY)	
C8604	CERAMIC 0.1U Z 50V (VCR 3784UK/VP ONLY)	
C8605	CERAMIC 0.1U Z 50V	
C8607	CERAMIC 0.01U M 16V (EXCEPT VCR 3784UK/VP)	
C8608	ELECT 47U M 6.3V (EXCEPT VCR 3784UK/VP)	
C8609	ELECT 470U M 6.3V (EXCEPT VCR 3784UK/VP)	
C8610	NP-ELECT 0.47U M 50V (EXCEPT VCR 3784UK/VP)	
C8611	NP-ELECT 0.47U M 50V	
C8651	CERAMIC 0.1U Z 50V	
(RESISTORS)		
R8501	CARBON 1K JA 1/4W	
R8502	CARBON 1K JA 1/4W	
R8503	CARBON 680 JA 1/4W	
R8504	CARBON 680 JA 1/4W	
R8505	CARBON 220K JA 1/4W	
R8506	CARBON 1K JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8508	CARBON 1K JA 1/4W	
R8509	CARBON 680 JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8512	CARBON 1K JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8521	CARBON 1K JA 1/4W	
R8522	CARBON 1K JA 1/4W	
R8523	CARBON 680 JA 1/4W	
R8524	CARBON 680 JA 1/4W	
R8525	CARBON 220K JA 1/4W	
R8528	CARBON 1K JA 1/4W	
R8529	CARBON 680 JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8601	CARBON 75 JA 1/4W	
R8602	CARBON 75 JA 1/4W	
R8603	CARBON 1K JA 1/4W (VCR 3784UK/VP ONLY)	
R8604	CARBON 1K JA 1/4W (VCR 3784UK/VP ONLY)	
R8605	CARBON 1K JA 1/4W (VCR 3784UK/VP ONLY)	
R8606	CARBON 820 JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8607	CARBON 820 JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8608	CARBON 39 JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8609	CARBON 33 JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8610	CARBON 820 JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8611	CARBON 820 JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8612	CARBON 39 JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8613	CARBON 33 JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8614	CARBON 100 JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8615	CARBON 100 JA 1/4W (EXCEPT VCR 3784UK/VP)	

LOCATION	PARTS NO.	DESCRIPTION
R8616	CARBON 4.7K JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8617	CARBON 4.7K JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8618	CARBON 4.7K JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8619	CARBON 4.7K JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8620	CARBON 1K JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8621	CARBON 1K JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8623	CARBON 47K JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8624	CARBON 2.2K JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8625	CARBON 4.7K JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8626	CARBON 330 JA 1/4W	
R8627	CARBON 330 JA 1/4W	
R8628	CARBON 4.7K JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8629	CARBON 1.2K JA 1/4W (EXCEPT VCR 3784UK/VP)	
R8651	CARBON 1.2K JA 1/4W	
R8652	CARBON 5.6K JA 1/4W	
R8653	CARBON 5.6K JA 1/4W	
R8654	CARBON 56 JA 1/4W	
R8655	CARBON 12K JA 1/4W	
R8656	CARBON 8.2K JA 1/4W	
R8657	CARBON 4.7K JA 1/4W (VCR 3784UK/VP ONLY)	
R8661	CARBON 27K JA 1/4W	
R8662	CARBON 3K JA 1/4W	
R8663	CARBON 1.2K JA 1/4W	
(JACKS)		
JK851	SOCKET,	
JK852	SOCKET,	
JK853	SOCKET,	
JK854	SOCKET,	
(CONNECTORS)		
CN871	SOCKET,21P	
CN872	SOCKET,21P	
COMPL PWB,TN-5		
COMPL.NO.6913 6676 (VCR 3784UK/VP ONLY)		
COMPL.NO.6913 6642 (VCR 3784N/SV ONLY)		
(SEMICONDUCTORS)		
Q6701	3614 4466	TR 2SC2412K-T96-R (EXCEPT VCR 3784VPS/SV)
OR	3614 5272	TR 2SC2412K-T96-S (EXCEPT VCR 3784VPS/SV)
OR	3614 4383	TR 2SC2812-L5-TB (EXCEPT VCR 3784VPS/SV)
OR	3614 4635	TR 2SC2812-L6-TB (EXCEPT VCR 3784VPS/SV)
Q6702	3614 4466	TR 2SC2412K-T96-R (EXCEPT VCR 3784VPS/SV)
OR	3614 5272	TR 2SC2412K-T96-S (EXCEPT VCR 3784VPS/SV)
OR	3614 4383	TR 2SC2812-L5-TB (EXCEPT VCR 3784VPS/SV)
OR	3614 4635	TR 2SC2812-L6-TB (EXCEPT VCR 3784VPS/SV)
(INTEGRATED CIRCUITS)		
IC671	3771 6754	IC TDA8205(EXCEPT VCR 3784VPS/SV)
IC672	3771 6753	IC TDA8204(EXCEPT VCR 3784VPS/SV)
IC673	3771 6746	IC LA6458M-T1 (EXCEPT VCR 3784VPS/SV)
(CRYSTAL DEVICE)		
X6701	4421 8808	OSC,CRYSTAL 11.648MHZ (EXCEPT VCR 3784VPS/SV)

LOCATION	PARTS NO.	DESCRIPTION
(CERAMIC RESONATORS)		
XF671	4552 6822	TRAP,CERAMIC 5.5MHZ (VCR 3784N/SV ONLY)
OR	4552 6842	TRAP,CERAMIC 6.0MHZ (VCR 3784UK/VP ONLY)
XF672	4552 7519	FILTER,5.85MHZ(VCR 3784N/SV ONLY)
OR	4552 6980	FILTER,5.85MHZ B.P.F (VCR 3784N/SV ONLY)
OR	4552 6935	FILTER,6.552MHZ(VCR 3784UK/VP ONLY)
OR	4552 6979	FILTER,6.552MHZ B.P.F (VCR 3784UK/VP ONLY)
(INDUCTORS)		
L6701	4543 3252	COIL,INDUCTOR 15UHK (VCR 3784UK/VP ONLY)
L6702	4543 3610	COIL,INDUCTOR 2.2UHJ (EXCEPT VCR 3784VPS/SV)
OR		HF CHOKE 2.2UHJ (EXCEPT VCR 3784VPS/SV)
L6703	4543 3610	COIL,INDUCTOR 2.2UHJ (EXCEPT VCR 3784VPS/SV)
OR		HF CHOKE 2.2UHJ (EXCEPT VCR 3784VPS/SV)
L6704	4543 3610	COIL,INDUCTOR 2.2UHJ (EXCEPT VCR 3784VPS/SV)
OR		HF CHOKE 2.2UHJ (EXCEPT VCR 3784VPS/SV)
(CAPACITORS)		
C6701		CERAMIC 0.01U K 50V (EXCEPT VCR 3784VPS/SV)
C6702		CERAMIC 0.01U K 50V (EXCEPT VCR 3784VPS/SV)
C6703		CERAMIC 0.01U K 50V (EXCEPT VCR 3784VPS/SV)
C6704		CERAMIC 0.01U K 50V (EXCEPT VCR 3784VPS/SV)
C6708		CERAMIC 220P J 50V (EXCEPT VCR 3784VPS/SV)
C6709		CERAMIC 220P J 50V (EXCEPT VCR 3784VPS/SV)
C6710		CERAMIC 0.1U Z 50V (EXCEPT VCR 3784VPS/SV)
C6711		CERAMIC 6800P K 50V (EXCEPT VCR 3784VPS/SV)
C6712		CERAMIC 6800P K 50V (EXCEPT VCR 3784VPS/SV)
C6713		CERAMIC 0.01U K 50V (EXCEPT VCR 3784VPS/SV)
C6714		CERAMIC 0.01U K 50V (EXCEPT VCR 3784VPS/SV)
C6715		ELECT 100U M 6.3V (EXCEPT VCR 3784VPS/SV)
C6716		ELECT 47U M 16V (EXCEPT VCR 3784VPS/SV)
C6717		CERAMIC 120P J 50V (EXCEPT VCR 3784VPS/SV)
C6718		MT-COMPO 0.22U J 50V (EXCEPT VCR 3784VPS/SV)
C6719		CERAMIC 150P J 50V (EXCEPT VCR 3784VPS/SV)
C6720		CERAMIC 6800P K 50V (EXCEPT VCR 3784VPS/SV)
C6721		CERAMIC 15P J 50V (EXCEPT VCR 3784VPS/SV)
C6722		ELECT 10U M 16V (EXCEPT VCR 3784VPS/SV)
C6723		ELECT 10U M 16V (EXCEPT VCR 3784VPS/SV)
C6724		ELECT 220U M 6.3V (EXCEPT VCR 3784VPS/SV)
C6725		CERAMIC 0.1U Z 50V (EXCEPT VCR 3784VPS/SV)
C6727		CERAMIC 5600P K 50V (EXCEPT VCR 3784VPS/SV)
C6728		CERAMIC 2700P K 50V (EXCEPT VCR 3784VPS/SV)
C6729		CERAMIC 2200P K 50V (EXCEPT VCR 3784VPS/SV)

LOCATION	PARTS NO.	DESCRIPTION
C6730		ELECT 10U M 16V (EXCEPT VCR 3784VPS/SV)
C6731		CERAMIC 5600P K 50V (EXCEPT VCR 3784VPS/SV)
C6732		CERAMIC 2200P K 50V (EXCEPT VCR 3784VPS/SV)
C6733		CERAMIC 2700P K 50V (EXCEPT VCR 3784VPS/SV)
C6734		ELECT 10U M 16V (EXCEPT VCR 3784VPS/SV)
C6735		CERAMIC 0.01U K 50V (EXCEPT VCR 3784VPS/SV)
C6737		ELECT 10U M 16V (EXCEPT VCR 3784VPS/SV)
C6738		ELECT 10U M 16V (EXCEPT VCR 3784VPS/SV)
C6739		ELECT 10U M 16V (EXCEPT VCR 3784VPS/SV)
C6740		ELECT 10U M 16V (EXCEPT VCR 3784VPS/SV)
C6743		CERAMIC 0.01U K 50V (EXCEPT VCR 3784VPS/SV)
C6745		ELECT 10U M 16V (EXCEPT VCR 3784VPS/SV)
C6746		ELECT 10U M 16V (EXCEPT VCR 3784VPS/SV)
C6747		CERAMIC 0.01U K 50V (EXCEPT VCR 3784VPS/SV)
C6753		CERAMIC 0.01U K 50V (EXCEPT VCR 3784VPS/SV)
C6757		ELECT 47U M 6.3V (EXCEPT VCR 3784VPS/SV)
C6758		CERAMIC 680P J 50V (EXCEPT VCR 3784VPS/SV)
(RESISTORS)		
R6701		MT-GLAZE 270 JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6702		MT-GLAZE 2.7K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6703		MT-GLAZE 10K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6704		MT-GLAZE 2.2K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6705		MT-GLAZE 100 JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6706		MT-GLAZE 270 JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6707		MT-GLAZE 82 JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6715		MT-GLAZE 43K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6716		MT-GLAZE 15K JA 1/10W (VCR 3784UK/VP ONLY)
OR		MT-GLAZE 22K JA 1/10W (VCR 3784N/SV ONLY)
R6717		MT-GLAZE 5.6K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6718		MT-GLAZE 43K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6719		MT-GLAZE 5.6K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6720		MT-GLAZE 1M JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6722		MT-GLAZE 150 JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6723		MT-GLAZE 39K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6726		MT-GLAZE 68K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6727		MT-GLAZE 68K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6728		MT-GLAZE 2.2K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6729		MT-GLAZE 2.7K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6730		MT-GLAZE 2.2K JA 1/10W (EXCEPT VCR 3784VPS/SV)

LOCATION	PARTS NO.	DESCRIPTION
R6731		MT-GLAZE 15K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6732		MT-GLAZE 15K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6733		MT-GLAZE 68K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6734		MT-GLAZE 68K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6735		MT-GLAZE 2.2K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6736		MT-GLAZE 2.7K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6737		MT-GLAZE 2.2K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6738		MT-GLAZE 15K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6739		MT-GLAZE 15K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6740		MT-GLAZE 22K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6741		MT-GLAZE 22K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6742		MT-GLAZE 39K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6743		MT-GLAZE 39K JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6745		MT-GLAZE 680 JA 1/10W (EXCEPT VCR 3784VPS/SV)
R6748		CARBON 10M JA 1/4W (EXCEPT VCR 3784VPS/SV)
R6750		CARBON 270 JA 1/4W (EXCEPT VCR 3784VPS/SV)
R6751		MT-GLAZE 5.6K JA 1/10W (EXCEPT VCR 3784VPS/SV)
(JUMPERS)		
J6701		MT-GLAZE 0.000 ZA 1/10W (VCR 3784UK/VP ONLY)
J6702		MT-GLAZE 0.000 ZA 1/10W (VCR 3784UK/VP ONLY)

LOCATION	PARTS NO.	DESCRIPTION
J6703		MT-GLAZE 0.000 ZA 1/10W (VCR 3784UK/VP ONLY)
J6704		MT-GLAZE 0.000 ZA 1/10W (VCR 3784N/SV ONLY)
J6705		MT-GLAZE 0.000 ZA 1/10W (VCR 3784N/SV ONLY)
J6706		MT-GLAZE 0.000 ZA 1/10W (VCR 3784N/SV ONLY)
J6715		MT-GLAZE 0.000 ZA 1/10W (EXCEPT VCR 3784VPS/SV)
J6726		MT-GLAZE 0.000 ZA 1/10W (EXCEPT VCR 3784VPS/SV)
J6730		MT-GLAZE 0.000 ZA 1/10W (EXCEPT VCR 3784VPS/SV)
J6740		MT-GLAZE 0.000 ZA 1/10W (VCR 3784UK/VP ONLY)
J6741		MT-GLAZE 0.000 ZA 1/10W (VCR 3784N/SV ONLY)

COMPL,MC-1

COMPL.NO.6913 1133

(DIODE)

D8001	3683 1088	PHOTO COUPLE SPI-315-04-C
OR	3683 1102	PHOTO DIODE ON2170-R

(RESISTOR)

R8001	CARBON 270 JA 1/4W
OR	CARBON 270 JA 1/6W
R8002	CARBON 100 JA 1/4W
OR	CARBON 100 JA 1/6W

(SWITCH)

S8001	4112 9704	SPECIAL SWITCH
-------	-----------	----------------

FLEXIBLE FLAT CABLE

4131 4290	FLEXIBLE FLAT CABLES,CP-1 - MC-2
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Austria

Nokia Consumer Electronics GesmbH
Bergsteiggasse 36-38
A-1171 WIEN
Tel.: + + 43-222-43 95 21-0
Fax: + + 43-222-43 95 21 46

Belgium/Luxemburg

NOKIA CONSUMER ELECTRONICS NV/SA
Uilenbaan 120
B-2160 WOMMELGEM
Tel.: + + 32-33- 50 04 31
Fax: + + 32-33- 50 04 45

Denmark

Nokia Consumer Electronics A/S
Hørskættø 3
DK-2630 TÅSTRUP
Tel.: + + 45-42-52 44 44
Fax: + + 45-42-52 01 52

Finland

Salora Oy/Huolto
Joensuunkatu 5
SF-24100 SALO
Tel.: + + 358-24-3 01 23 36
Fax: + + 358-24-3 01 23 31

France

Nokia Consumer Electronics France SA
97, Avenue de Verdun
F-93230 ROMAINVILLE
Tel.: + + 33-1-49 15 15 15
Fax: + + 33-1-48 43 73 28

Germany

Nokia Unterhaltungselektronik GmbH
Zentralkundendienst
Meesmannstr. 105 - 107
D-4630 BOCHUM 1
Tel.: + + 49-234-9 56 33 33
(Zentrale Ersatzteilbestellung)
Tel.: + + 49-234-9 56 03
(Zentrale)
Fax: + + 49-234-9 56 24 45
+ + 49-234-9 56 24 46
+ + 49-234-9 56 24 47
(Telefax-Bestellannahme)

Great Britain

Nokia Consumer Electronics (UK) Ltd.
Bridgemoor Close, Westmead
GB-SWINDON, WILTSHIRE SN5 7YG
Tel.: + + 44-793-64 42 23
Fax: + + 44-793-61 99 59

Italy

Nokia Consumer Electronics Italia S. r. l.
Via G. di Vittorio 10
I-20094 CORSICO (MI)
Tel.: + + 39-2-44 01 341
+ + 39-2-44 74 541
Fax: + + 39-2-44 71 027
Telex: 32 03 91

Netherlands

Revah-Service B. V.
Vaalserbergweg 317
NL-5628 CH EINDHOVEN
Tel.: + + 31-40-41 55 25
Fax: + + 31-40-42 07 55

Norway

Nokia Consumer Electronics A/S
Solheimsveien 28 B
Boks 94
N-1473 SKÅRER
Tel.: + + 47-2-97 09 30
Fax: + + 47-2-97 34 14 (Administration)
+ + 47-2-97 34 15 (Orders)
+ + 47-2-97 34 16 (Parts)

Portugal

Nokia Electronica de Consumo S. A.
Servico de assistencia apos venda e formacao
Rua Carlos Anjos, Lote 1387
Amoreira
P-2765 ESTORIL
Tel.: + + 351-1-466 23 15 / 62 / 63
Fax: + + 351-1-466 23 14

Rep. Ireland

Nokia Smurfit Ltd
Shanowen Road
White Hall
IR-DUBLIN 8
Tel.: + + 35-31-42 39 66
Fax: + + 35-31-42 34 73

Spain

Nokia Consumer Electronics España S. A.
Asistencia Técnica Central
Francisco Abril, 13
E-28007 MADRID
Tel.: + + 34-1-433 15 62 / 433 12 62
Fax: + + 34-1-433 57 45

Sweden

Nokia Parts
S-591 83 MOTALA
Tel.: + + 46-141-2 81 00
Fax: + + 46-141-1 19 51 (Reservdelar)
Fax: + + 46-141-5 49 48 (Service)

Switzerland

Nokia Consumer Electronics (Schweiz) AG
Wehntalerstrasse 6
CH-8154 Oberglatt
Tel.: + + 41-1-8 51 00 44
Fax: + + 41-1-851 00 66

FXE PPHU „FOXEL”
SLAWOMIR PALUSKI
55-090 DŁUGOLEKA
ul. Dębowa 3
tel (071) 315-21-14, fax (071) 315-21-11
tel. kom. 0509 47 93 77
NIP 694-101-77-86 Id 390213491
mBank 33 1140 2004 0000 3702 3875 26

VCR 3784 HIFI VPS/SV

VCR 3784 HIFI N/SV

VCR 3784 HIFI UK/VP

BLOCK DIAGRAMS, CIRCUIT DIAGRAMS & PRINTED WIRING BOARDS


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2-27. CP-1 BOARD (TN-A, CV-A) TUNER IF & RF CONVERTER CONNECTION (VCR 3784 HIFI UK/VP)	47

NOTES:

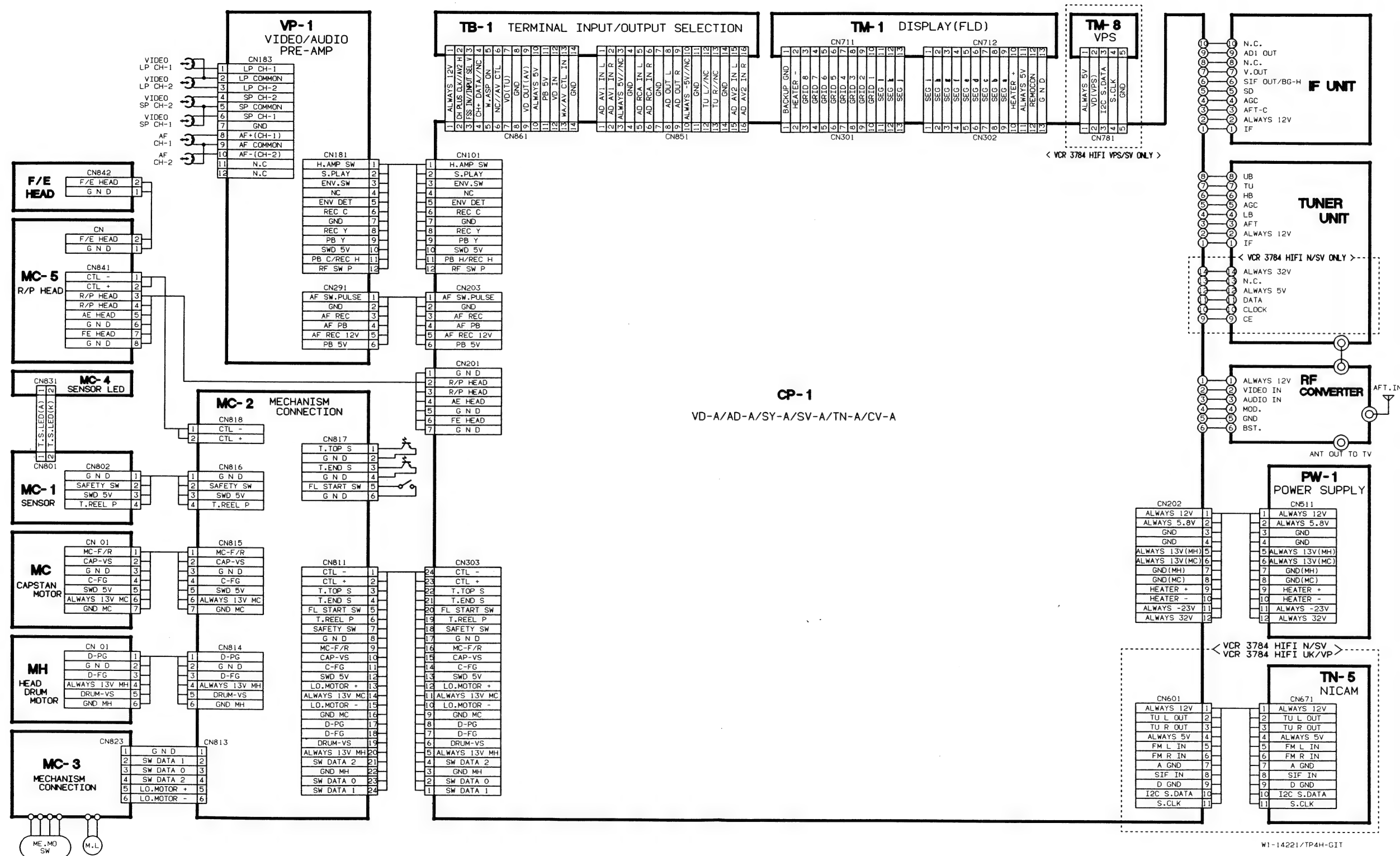
1. All resistance values in "OHMS" unless otherwise noted.
(K=1,000 M=1,000,000)
2. All capacitance values in "μfd" unless otherwise noted.
p=pico farad
3. All inductance values in "mH" unless otherwise noted.
μ=micro henry.

PRODUCT SAFETY NOTICE

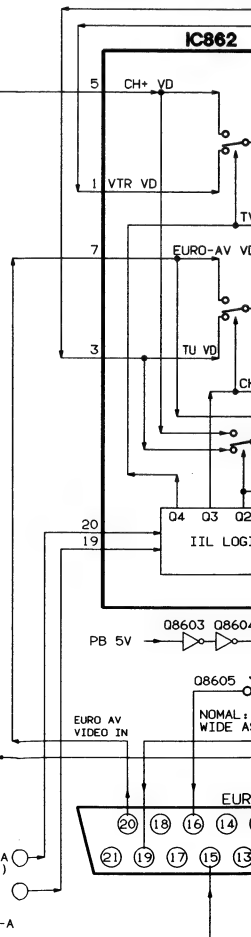
THE COMPONENTS DESIGNATED BY A SYMBOL () IN THIS SCHEMATIC DIAGRAM DESIGNATES COMPONENTS WHOSE VALUE ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. SHOULD ANY COMPONENT DESIGNATED BY A SYMBOL NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST. DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLTAGE RATINGS SHOWN.

1. OVERALL WIRING, MECHANISM CONNECTION, & BLOCK DIAGRAMS

1-1. OVERALL WIRING

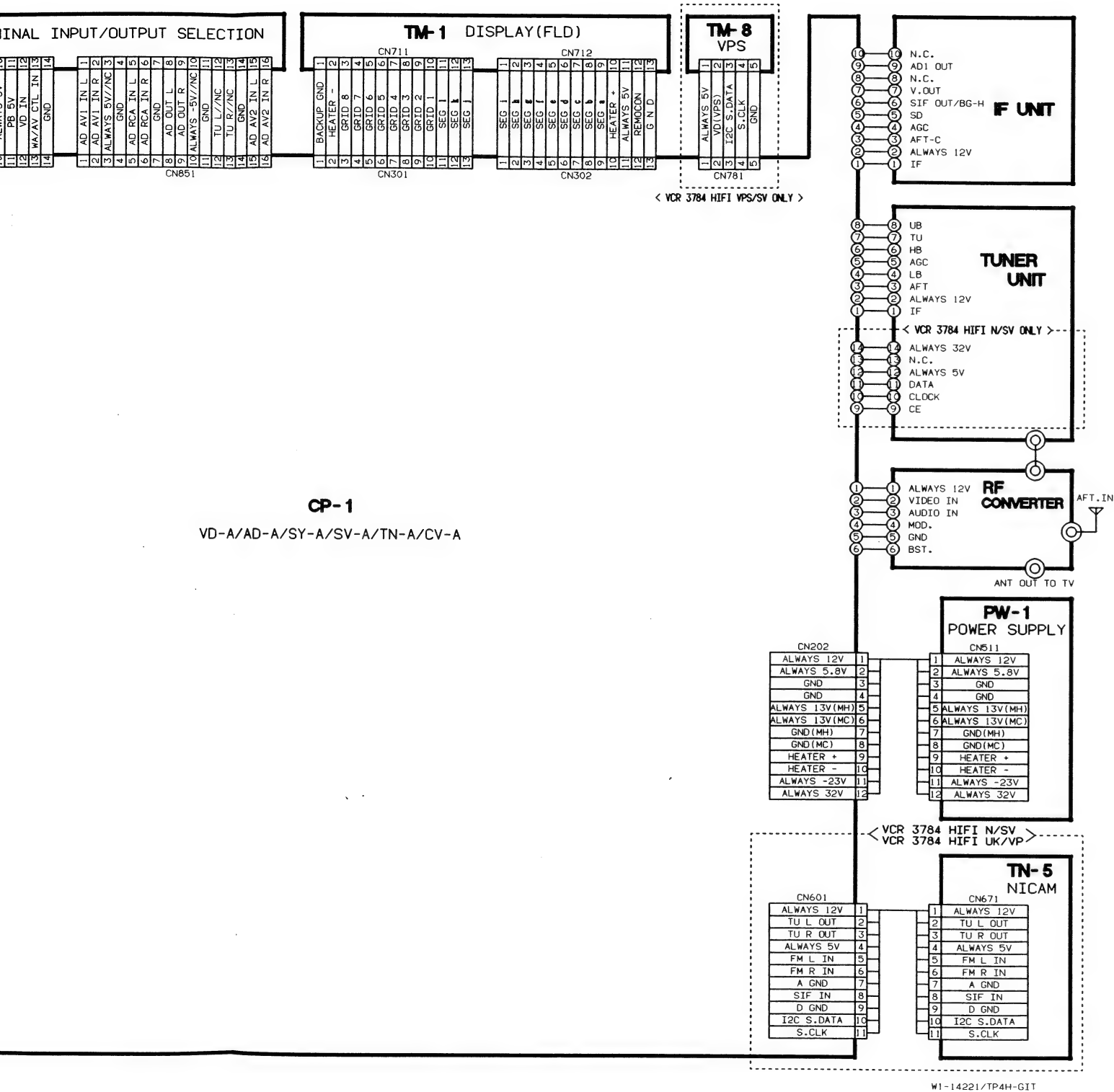


1-3. TERMINAL &

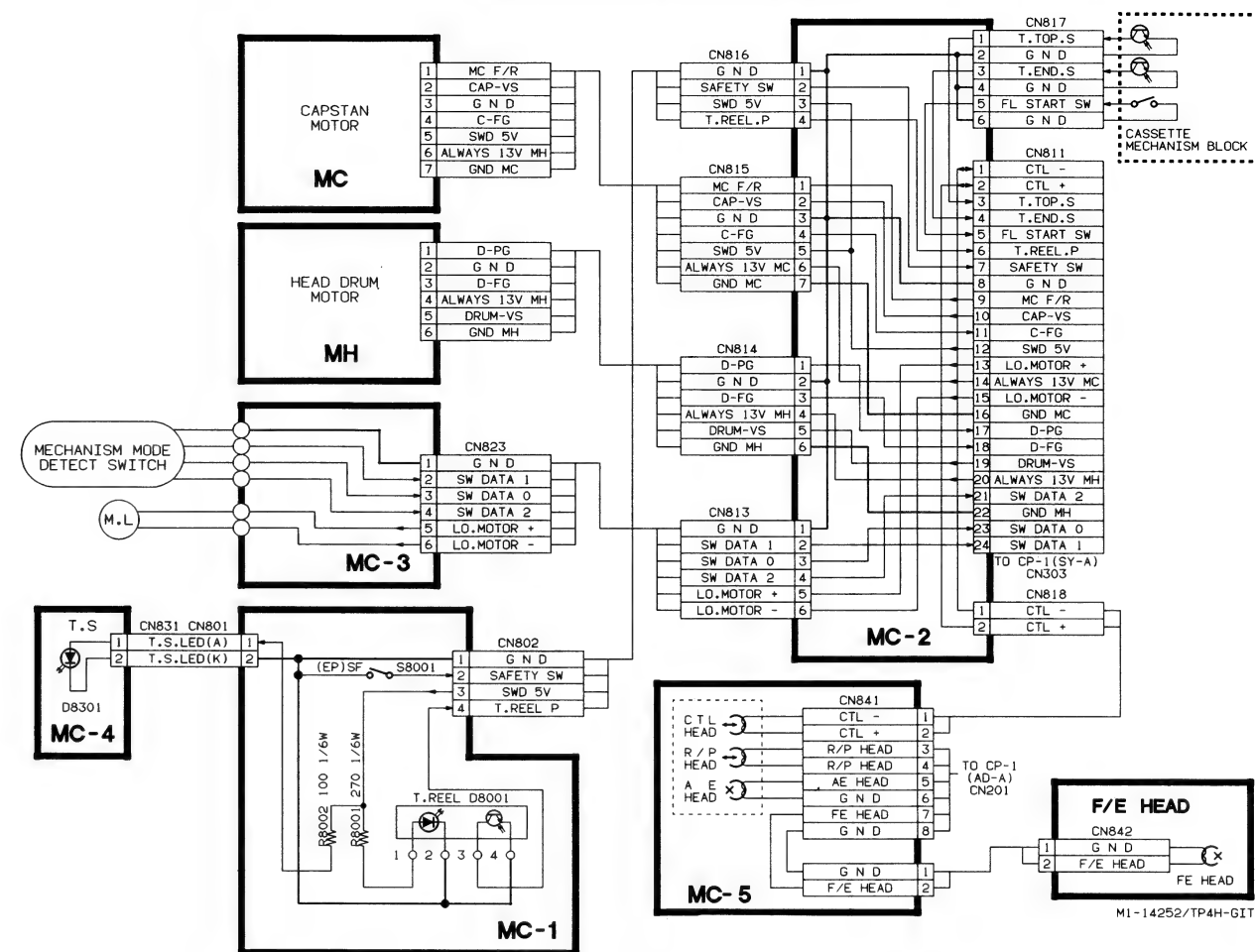


K DIAGRAMS

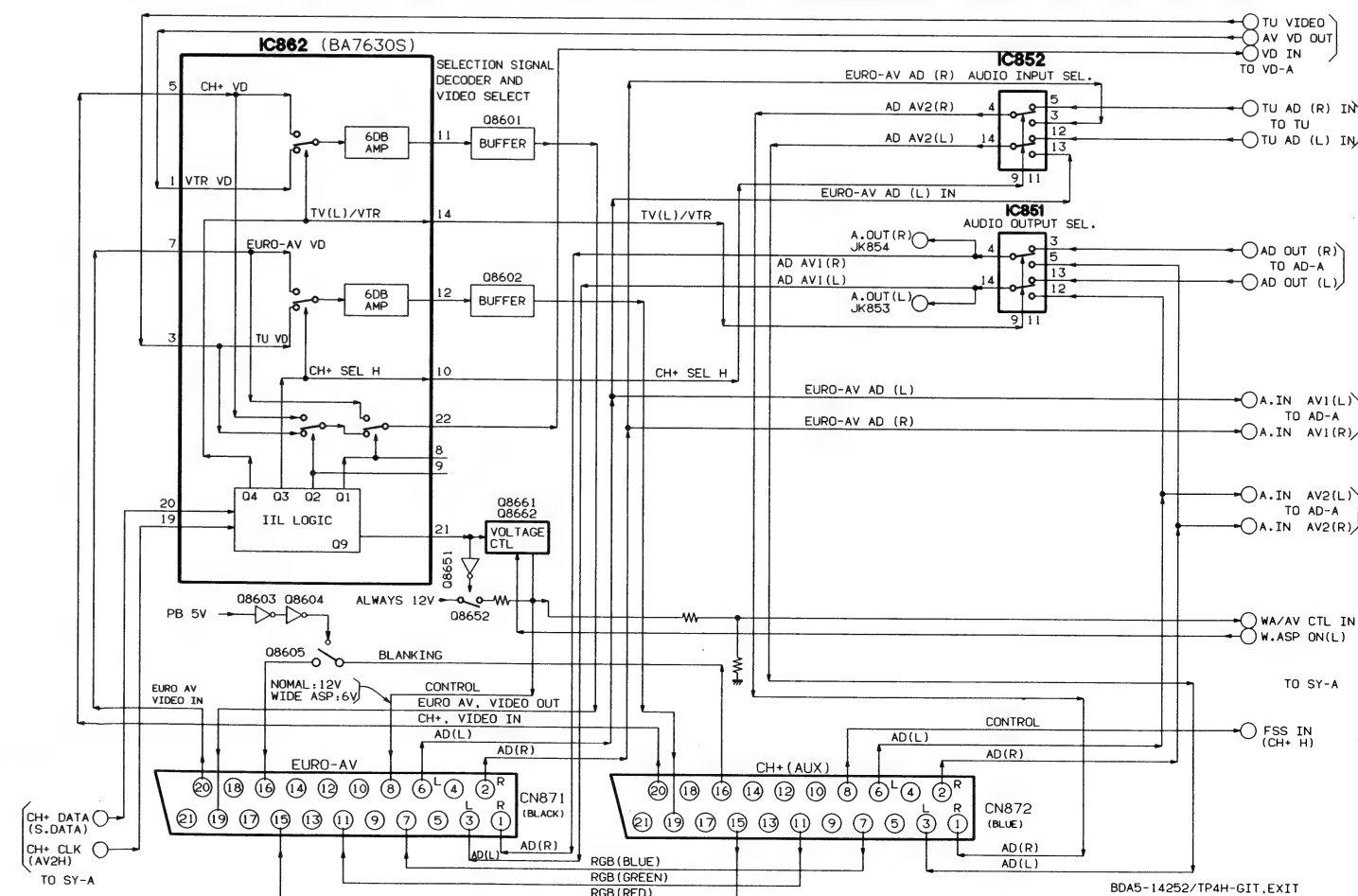
1-1. OVERALL WIRING



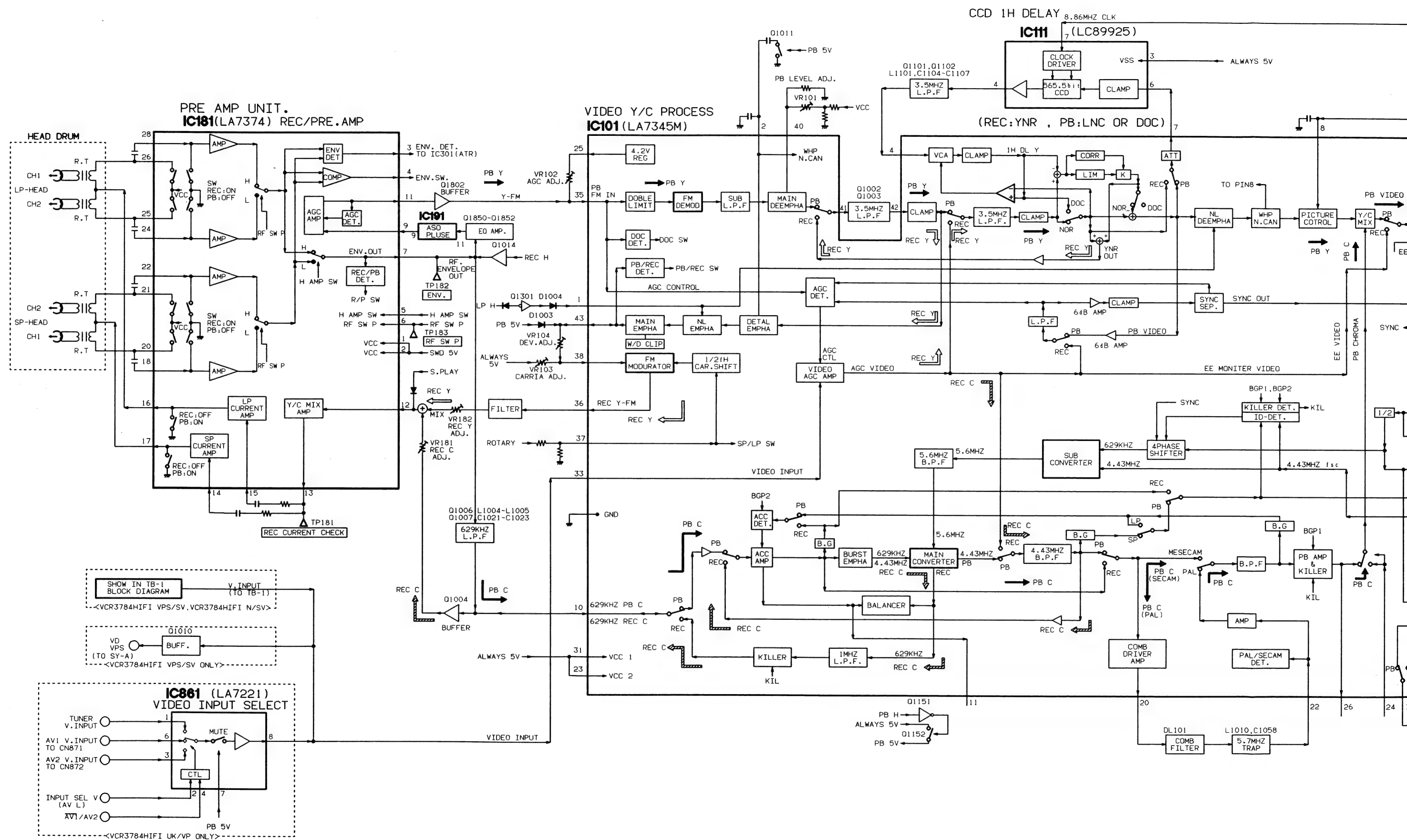
1-2. MECHANISM CONNECTION



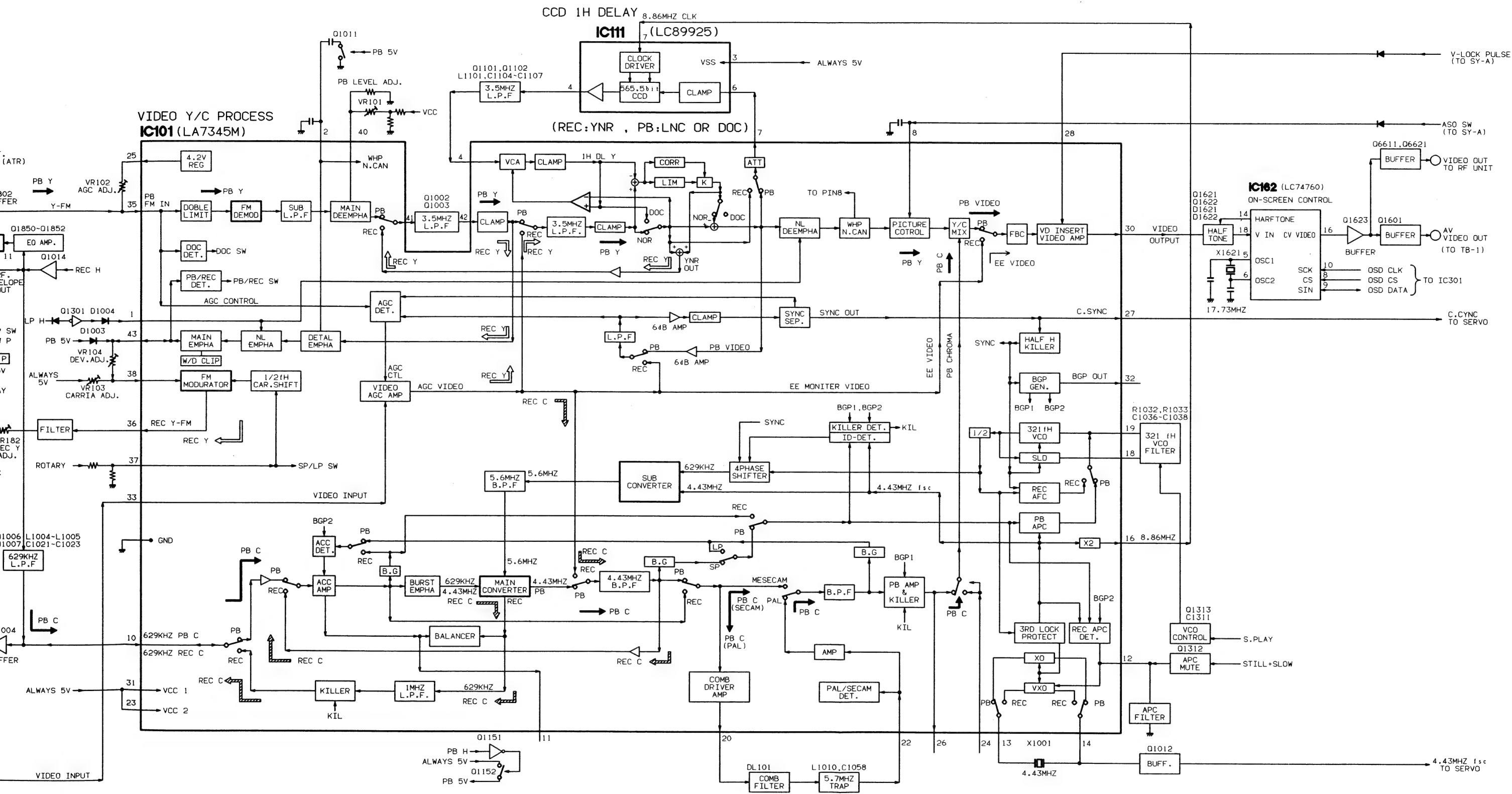
1-3. TERMINAL & INPUT/OUTPUT SELECTOR CIRCUIT (VCR 3784 HIFI VPS/SV & VCR 3784 HIFI N/SV)



1-4. VIDEO CIRCUIT

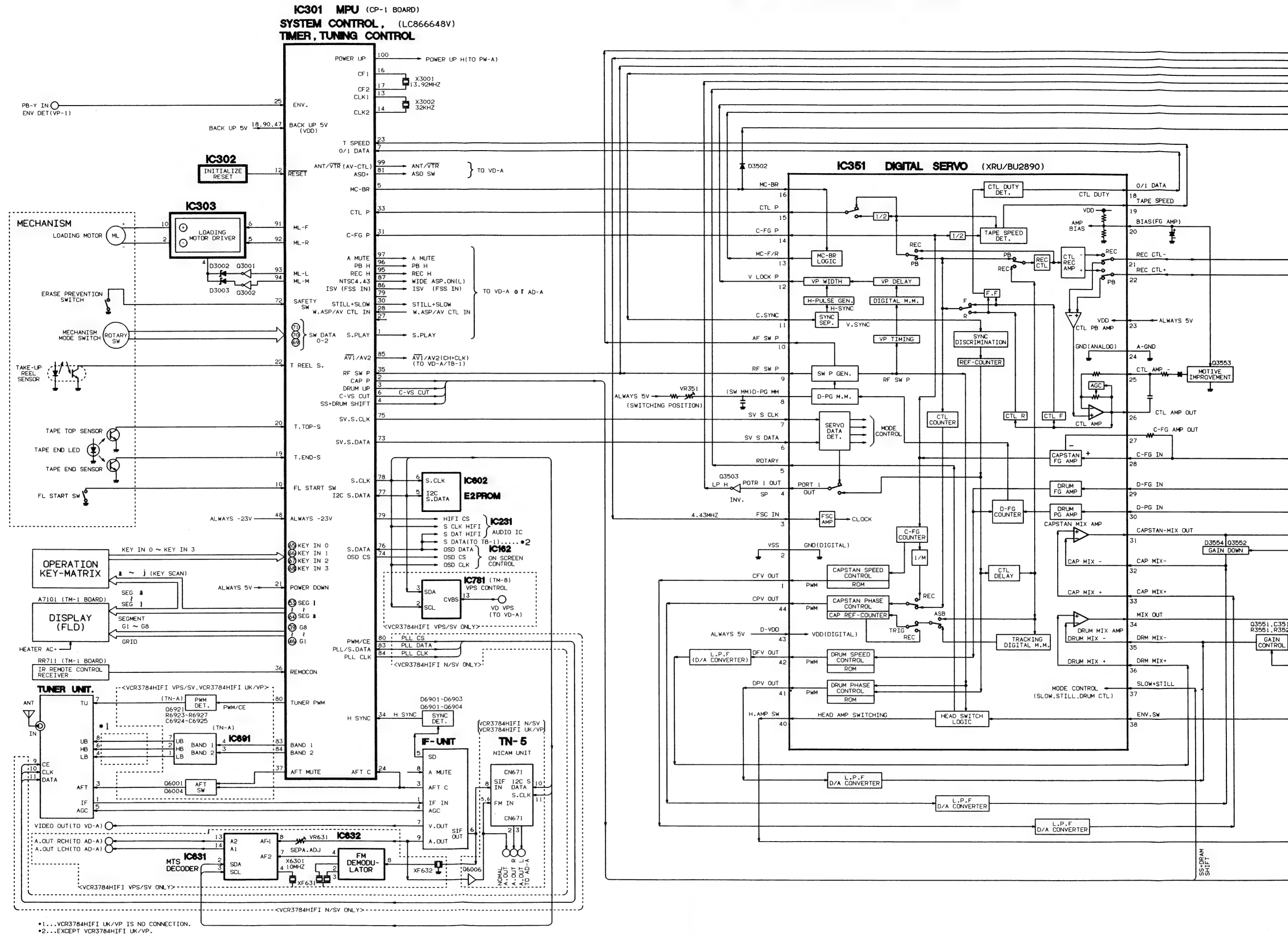


1-4. VIDEO CIRCUIT



BDV1-14214/TP4H-GIT,EXIT,EIT

1-5. SYSTEM CONTROL & SERVO CIRCUIT



301 MPU (CP-1 BOARD)
ITEM CONTROL, (LC866648V)
FR, TUNING CONTROL

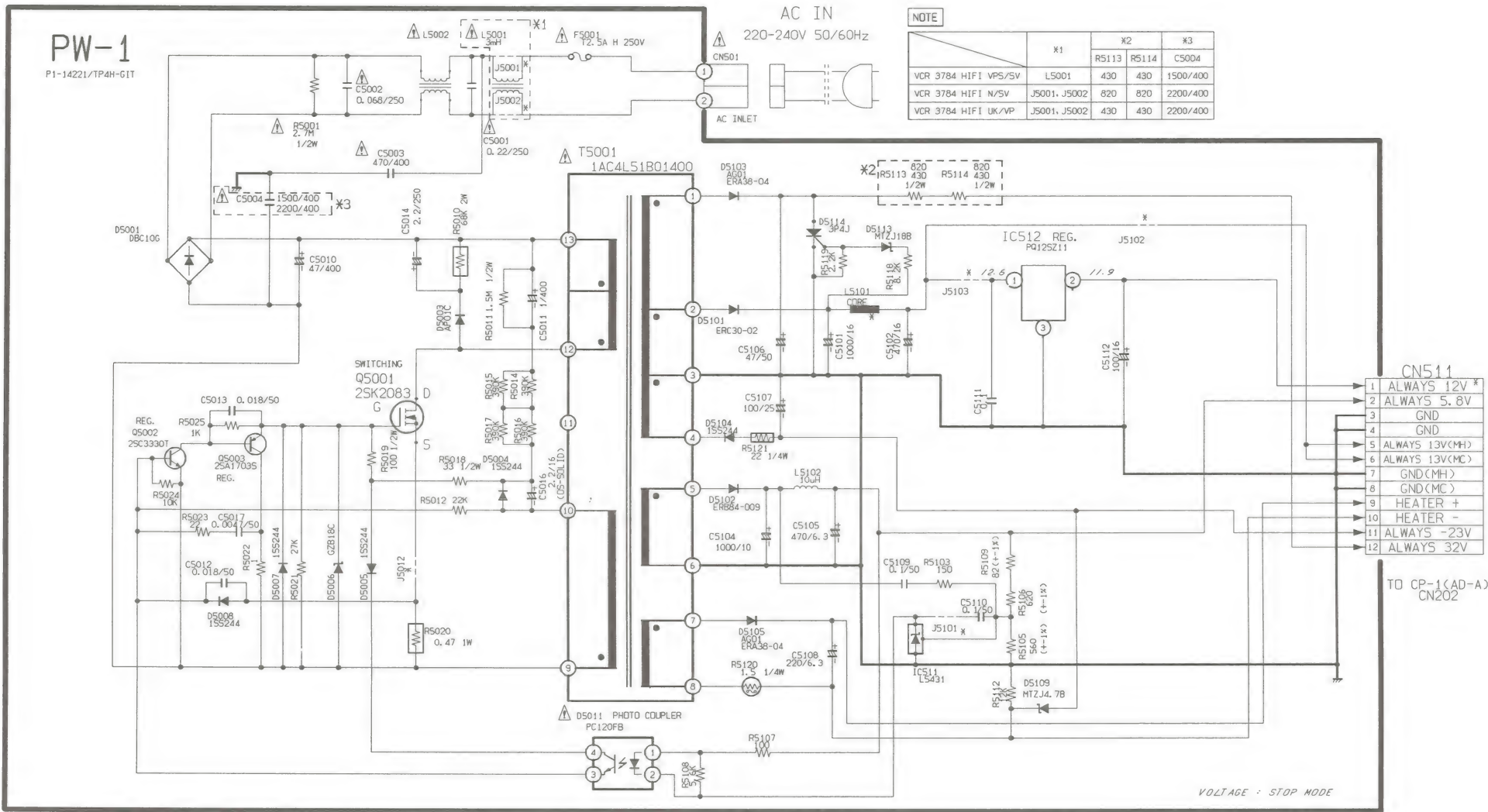


231 (AN3961NFBP) AUDIO

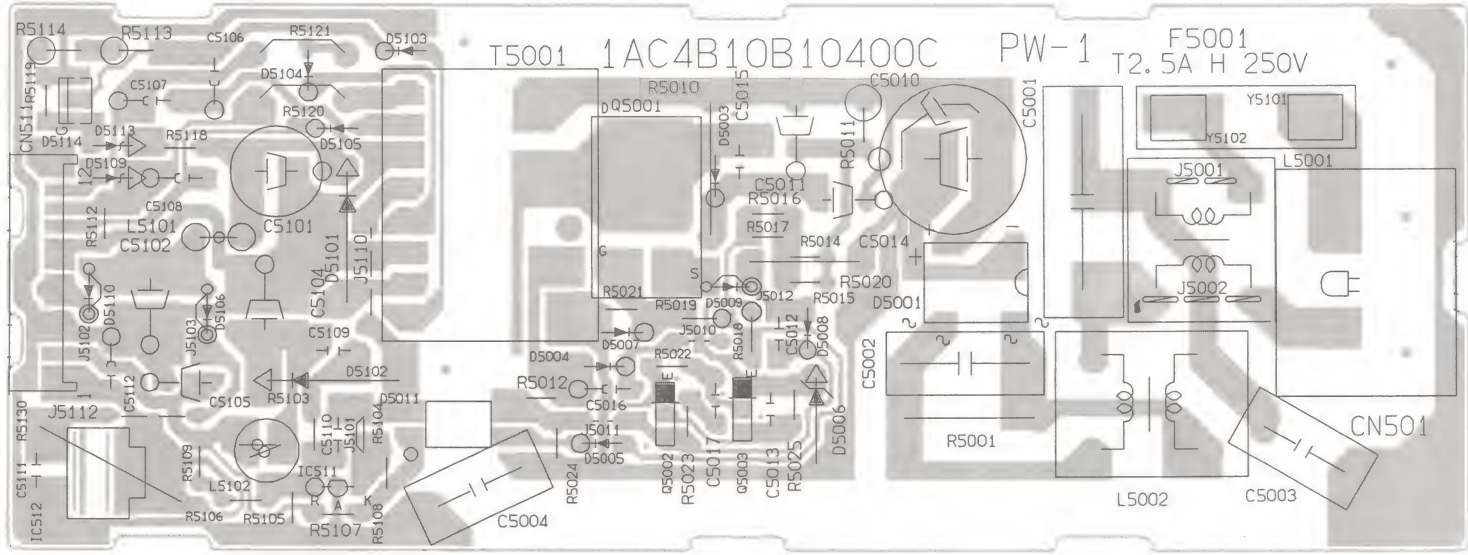


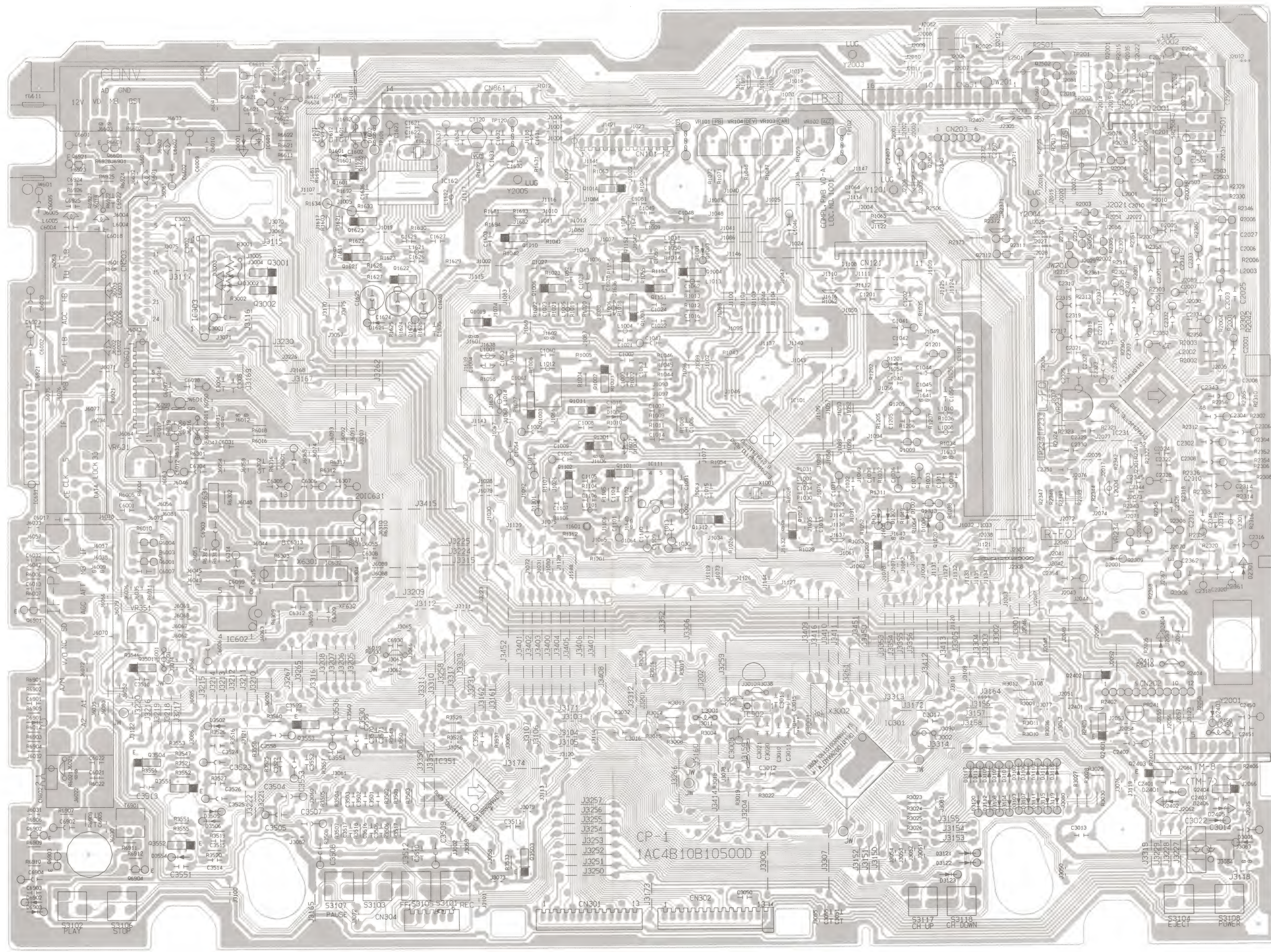
2. CIRCUIT DIAGRAMS & PRINTED WIRING BOARDS (P.W.B.)

2-1. PW-1 BOARD POWER SUPPLY



2-2. PW-1 P.W.B.

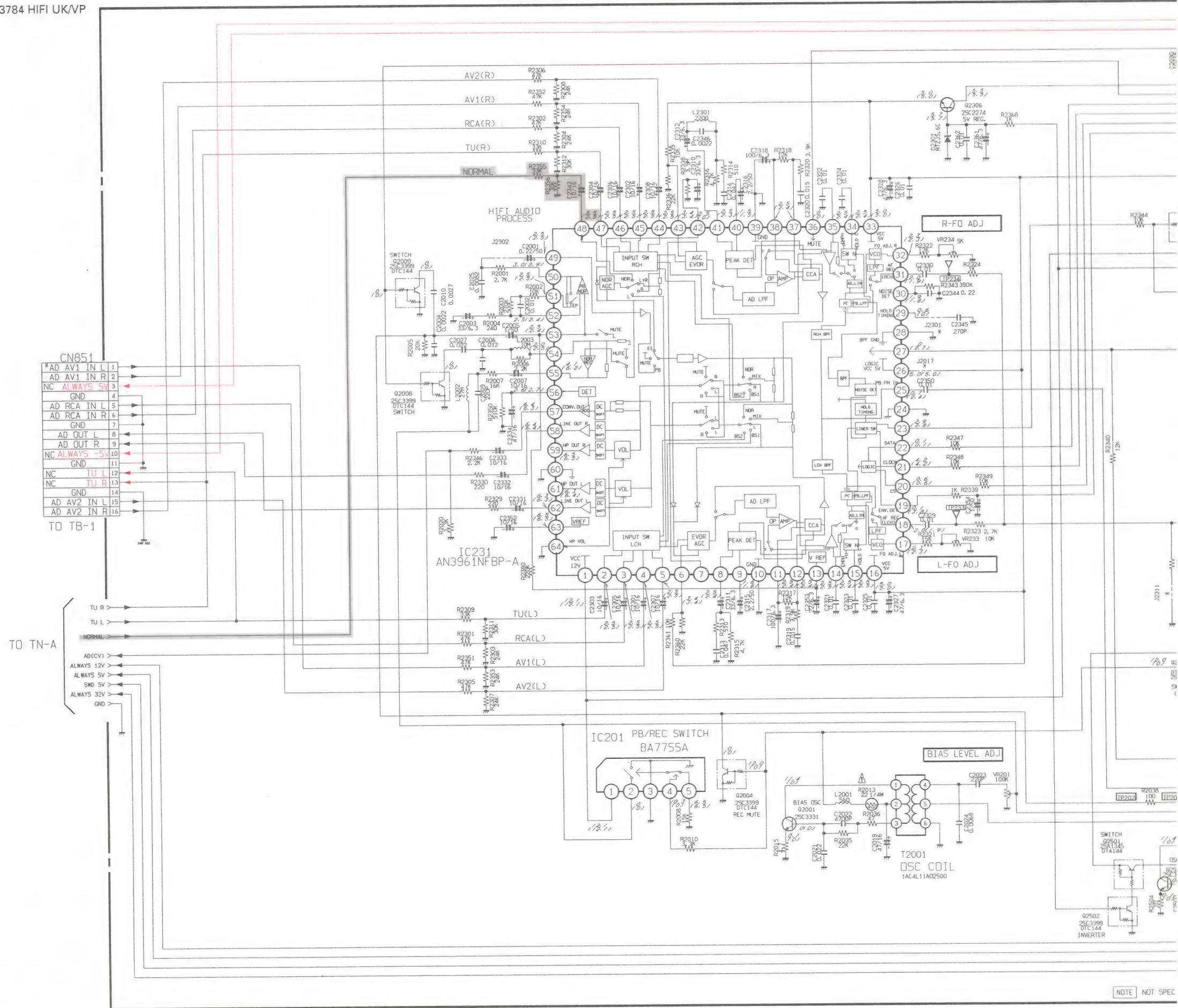




2-4. CP-1 BOARD (AD-A) AUDIO

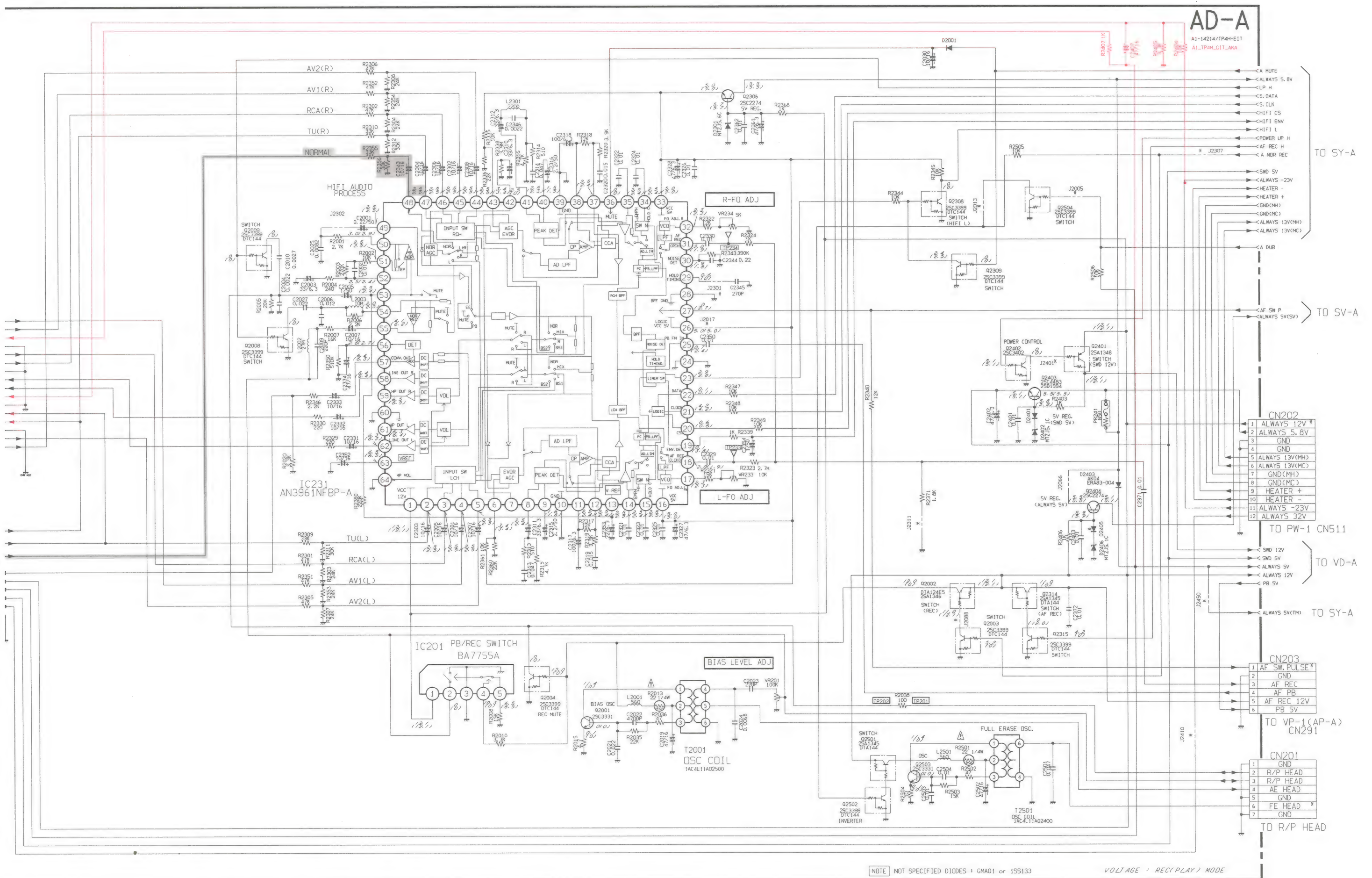
NOTES :

- Common parts for VCR 3784 HIFI VPS/SV, VCR 3784 HIFI N/SV & VCR 3784 HIFI UK/VP
- The parts for VCR 3784 HIFI VPS/SV & VCR 3784 HIFI N/SV.
- The parts marked XXXXXX is VCR 3784 HIFI N/SV & VCR 3784 HIFI UK/VP.



NOTE NOT SPEC

2-4. CP-1 BOARD (AD-A) AUDIO



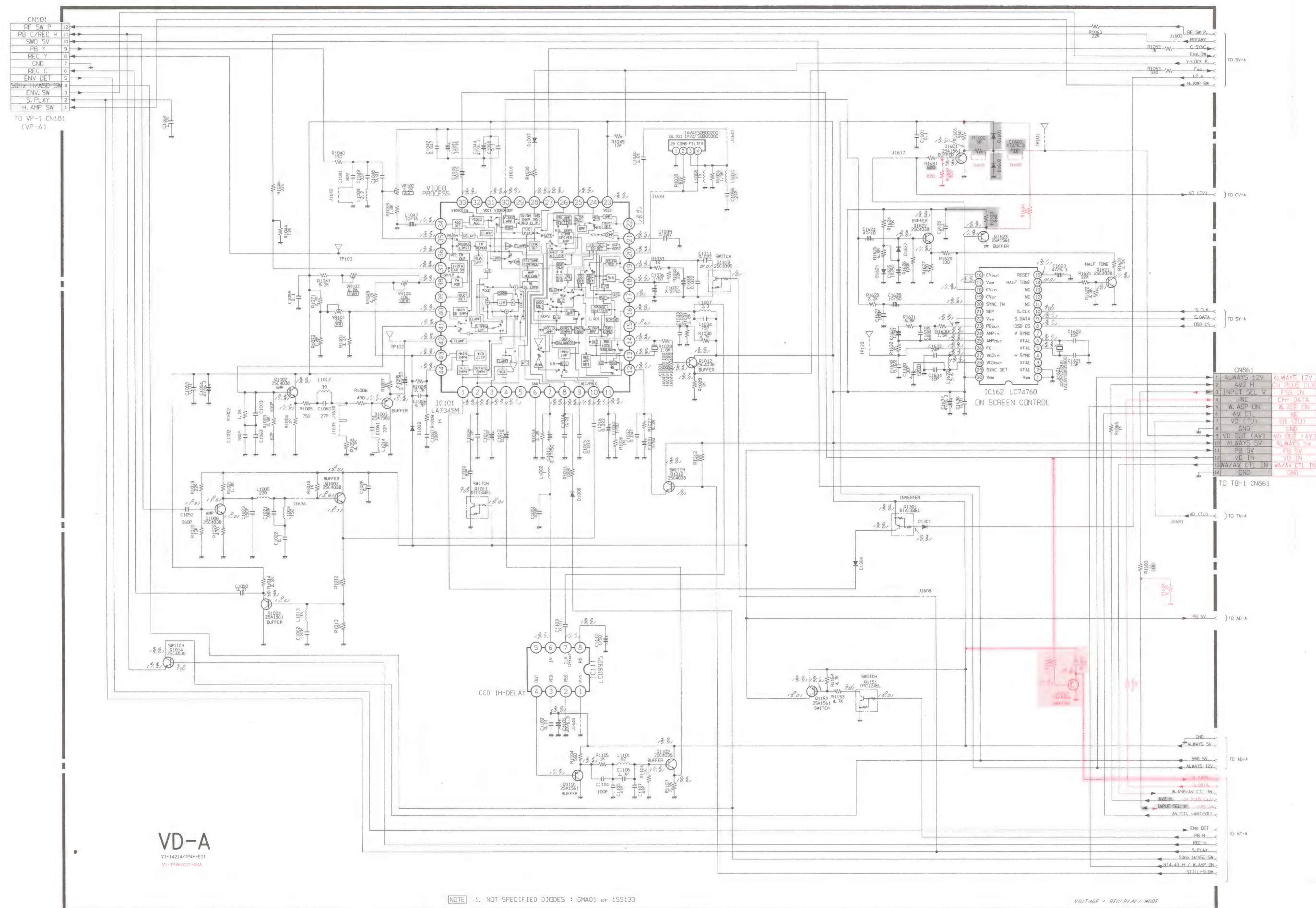
NOTES :

Common parts for VCR 3784 HIFI VPS/SV, VCR 3784 HIFI N/SV & VCR 3784 HIFI UK/VP

The parts marked is VCR 3784 HIFI UK/VP only.

The parts marked is VCR 3784 HIFI VPS/SV only.

2-5. CP-1 BOARD (VD-A) VIDEO



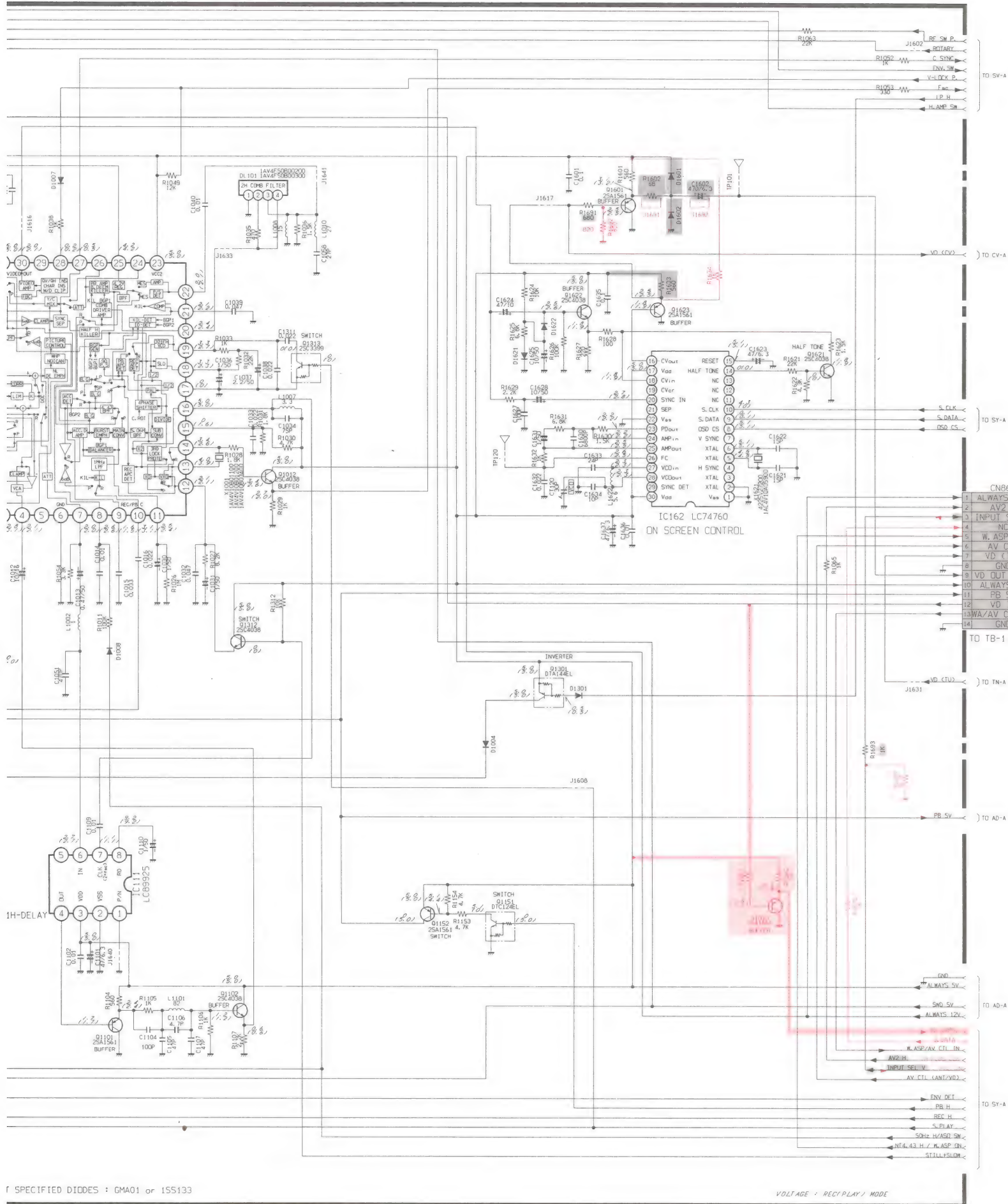
2-6. VIDEO CIR

TEST LOCATION
IC101 Pin 33 (VIDEO IN)
IC101 Pin 41
IC101 Pin 42
IC101 Pin 43
IC101 Pin 36 (REC FM OUT)
IC101 Pin 35 (PB FM IN)
IC101 Pin 41
IC101 Pin 42
IC101 Pin 7/4

2-7. ON SCREE

TEST LOCATION
Pin 5 (17.7MHz X-TAL)
Pin 6 (17.7MHz X-TAL)
Pin 14 (HALF TONE)
Pin 16 (VIDEO OUT: WITH ON SCREE
Pin 14 (HALF TONE)
Pin 18 (VIDEO IN)

2-5. CP-1 BOARD (VD-A) VIDEO



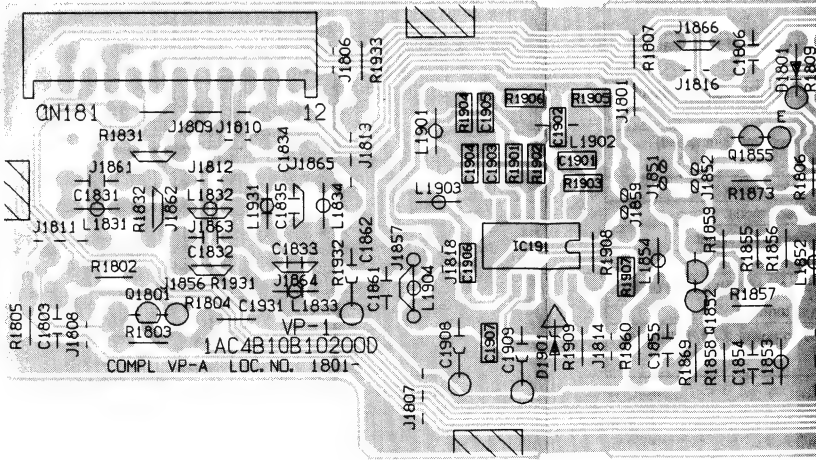
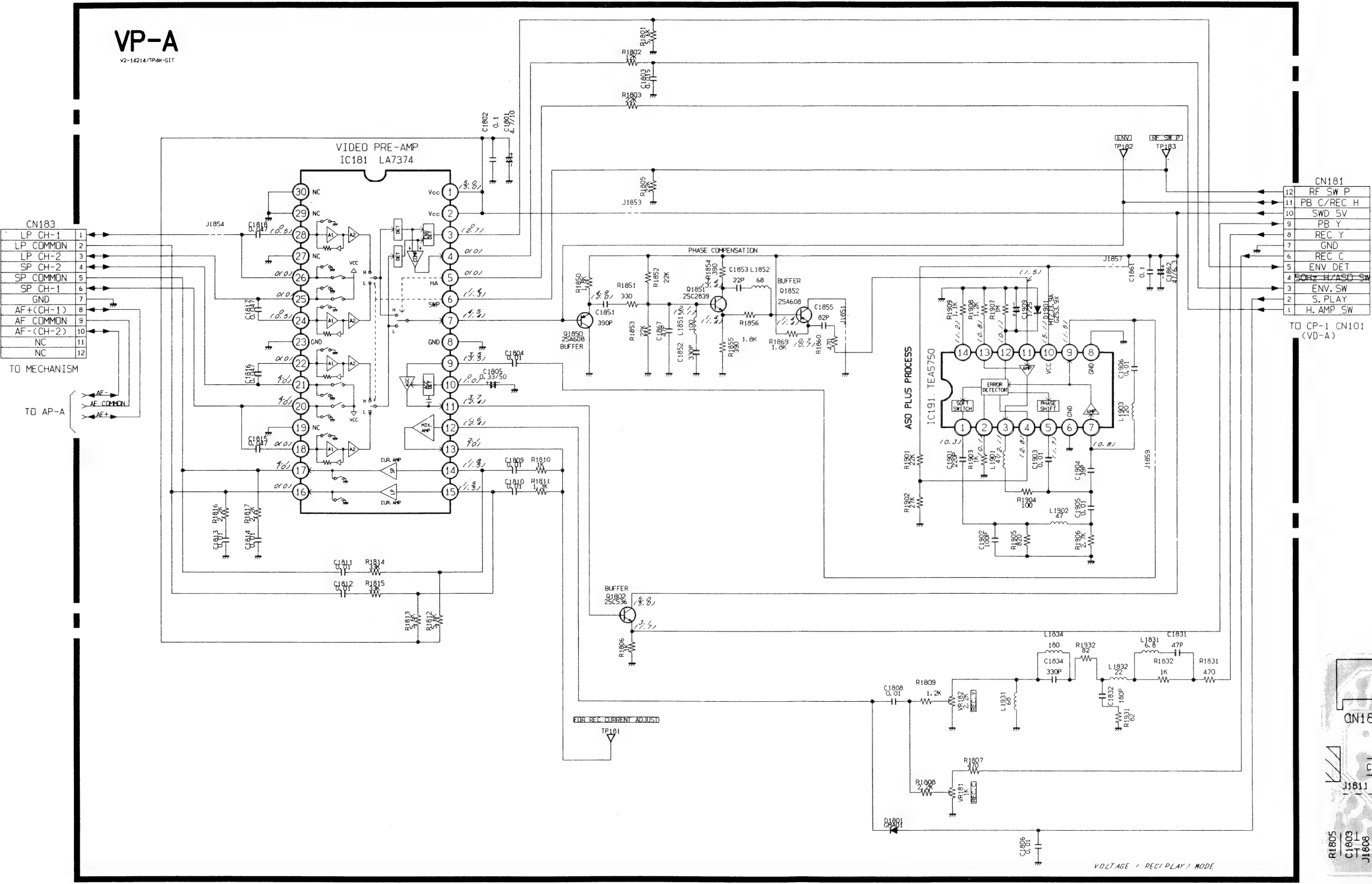
2-6. VIDEO CIRCUIT WAVEFORMS

WF-V-TP					
TEST LOCATION	WAVEFORM	MODE/LEVEL	TEST LOCATION	WAVEFORM	MODE/LEVEL
IC101 Pin 33 (VIDEO IN)		REC, EE 1 Vp-p	IC101 Pin 30 (VIDEO OUT)		PB 2.5 Vp-p
IC101 Pin 41		REC, EE 0.6 Vp-p	IC101 Pin 30 (VIDEO OUT)		REC, EE 2 Vp-p
IC101 Pin 42		REC, EE 0.5 Vp-p	IC101 (UPPER) Pin 30 (LOWER) Pin 28		STILL (UPPER) 2 Vp-p (LOWER) 5 Vp-p
IC101 Pin 43		REC, EE 1.2 Vp-p	IC101 Pin 10 (REC CHROMA OUT)		REC, EE 0.4 Vp-p
IC101 Pin 36 (REC FM OUT)		REC, EE 1.0 Vp-p	Q1006 Base (PB CHROMA)		PB 0.3 Vp-p
IC101 Pin 35 (PB FM IN)		PB 0.3 Vp-p	Q1007 Emitter (PB CHROMA)		PB 0.2 Vp-p
IC101 Pin 41		PB 0.5 Vp-p	IC101 Pin 10 (PB CHROMA IN)		PB 0.2 Vp-p
IC101 Pin 42		PB 0.5 Vp-p	IC101 Pin 20		PB 1.0 Vp-p
IC101 Pin 7/4		PB 0.3 Vp-p	IC101 Pin 26		PB 0.6 Vp-p

2-7. ON SCREEN (IC162) WAVEFORMS

TEST LOCATION	WAVEFORM	LEVEL	TEST LOCATION	WAVEFORM	LEVEL
Pin 5 (17.7MHz X-TAL)		2Vp-p	Pin 19 (CV cr)		2Vp-p
Pin 6 (17.7MHz X-TAL)		3Vp-p			
Pin 14 (HALF TONE)		5Vp-p	Pin 20 (SYNC IN)		2Vp-p
Pin 16 (VIDEO OUT: WITH ON SCREEN)		2Vp-p			
Pin 14 (HALF TONE)		5Vp-p	Pin 23 (PD OUT)		4.5Vp-p
Pin 18 (VIDEO IN)		2Vp-p	Pin 16 (VIDEO OUT)		2Vp-p

2-8. VP-1 BOARD (VP-A) VIDEO PRE-AMP



AP-
A2-14202/TPA

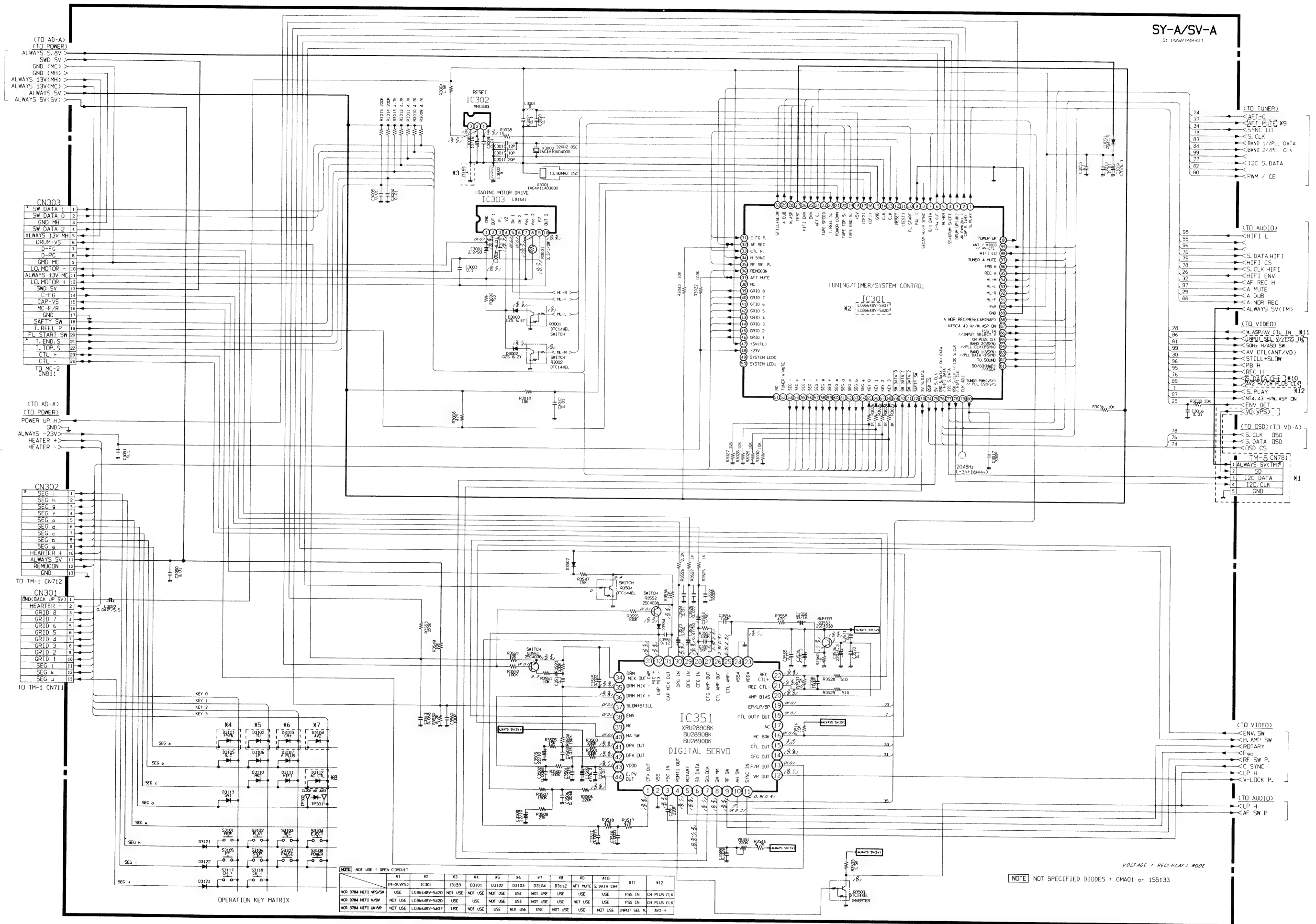
2-11. IC301 SYSTEM CONTROL, TIMER, & TUNING CONTROL MPU PIN FUNCTIONS TABLE

No.	Name	I/O	I/O Signal Function
1	S - PLAY	O	Signal for indicating CUE, REV, STILL, and SLOW modes.
2	4k - PWM	O	Output 4kHz PWM signal for set period at start of high-speed FF / REW. (For 2 Head model)
	CAP P.	O	Gain down control for Head Motor Amplifier at SLOW mode. (For 4 Head model)
3	DRUM UP	O	Head drum motor rotation speed - up signal.
4	SS + DRUM SHIFT	O	Signal for indicating SLOW/STILL modes and alternation of drum motor control data. (3 value voltage)
5	MC - BR	O	Brake signal for capstan motor.
6	C - Vs CUT	O	Cut off for capstan motor control voltage in SLOW / STILL modes.
7	0 / 1 DATA	I	CTL pulse duty detection signal input. Used for VISS detection.
8	V SYNC	I	V-sync input for TV system (50/60) discrimination.
9	PAL L	I	PAL-TV system indication signal input.
10	FL- START SW	I	Switch input indicating start of cassette loading or discharge by cassette mechanism.
11	-	-	-
12	RESET	I	Initial reset terminal for this IC.
13	CLK	-	Clock OSC during power failures.
14	CLK	-	Frequency is 32kHz.
15	VSS	-	Ground terminal
16	CF1	-	IC clock OSC terminal.
17	CF2	-	Frequency is 13.92MHz.
18	VDD	-	IC power supply terminal.(5Vdc)
19	T. END S.	I	Sensor signal input for tape end detection.
20	T. TOP S.	I	Sensor signal input for tape beginning detection.
21	POWER DOWN	I	Power failure detection terminal.
22	T. REEL S.	I	Pulse input for detection of take-up reel table rotation.
23	TAPE SPEED	I	Input of result of tape speed discrimination by digital servo IC.
24	AFT- C	I	Tuner AFT s-curve signal input for tuner AFT function.
25	ENV.	I	Video head envelope detection signal input for ATR function.
26	HI-FI ENV.	I	Audio head envelope detection signal for ATR.
27	-	-	-
28	WIDE ASPECT IN	I	Wide aspect video system indication signal input.
29	A DUB	O	Signal for disable the full erase oscillation.
30	SLOW + STILL	O	SLOW or STILL modes indication signal.
31	C - FG P.	I	FG signal input of capstan motor.
32	AF REC	O	Signal for indicate the recording start of audio signal at insert mode.
33	CTL P.	I	CTL head recording / playback pulse signal input.
34	H SYNC (LEVEL)	I	Sync. detection signal input for existing channel discrimination.
35	RF SW P.	I	Input of RF switching pulse created by head drum PG.
36	REMOCON	I	Remote control signal input.
37	AFT MUTE	O	"H" output during TU AFT mute. (V-syn model only)
38	-	-	-
39	G8	O	Display grid outputs (FLD).
40	G7	O	
41	G6	O	
42	G5	O	
43	G4	O	
44	G3	O	
45	G2	O	
46	G1	O	
47	VDD	-	IC power supply input.(5Vdc)
48	V LOAD	O	-23V input for FLD drive.
49	-	-	-
50	SECAM	O	SECAM processing mode indication signal.
51	-	-	-
52	MESECAM	O	MESECAM processing mode indication signal.



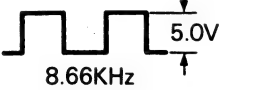
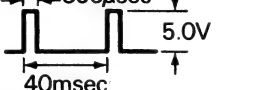
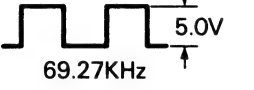
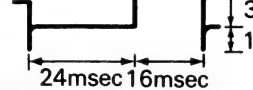
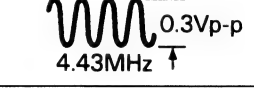
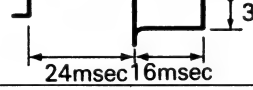
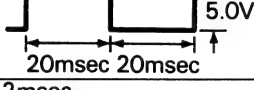

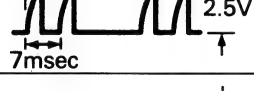
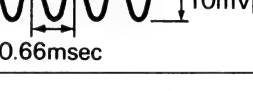
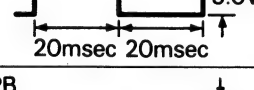
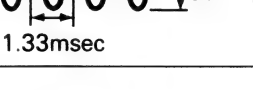
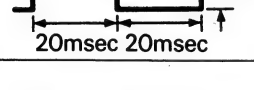
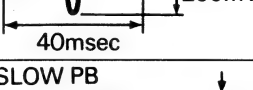
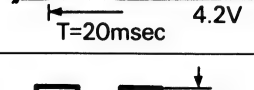
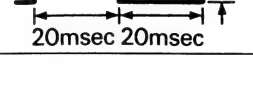
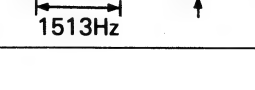
No.	Name	I/O	I/O Signal Function
53	SEG† I	O	Display segment outputs (FLD). (Includes key-scan output)
54	SEG †k	O	
55	SEG †j	O	
56	SEG †i	O	
57	SEG h	O	
58	SEG g	O	
59	SEG f	O	
60	SEG e	O	
61	SEG d	O	Operation key data inputs.
62	SEG c	O	
63	SEG b	O	
64	SEG a	O	
65	KEY IN 0	I	3-bit data indicating operation position of mechanism.
66	KEY IN 1	I	
67	KEY IN 2	I	
68	KEY IN 3	I	
69	SW DATA 0	I	Terminal for communication of respective data with OSD IC, audio IC, and CH+ I/O selection IC.
70	SW DATA 1	I	
71	SW DATA 2	I	Terminal for accidental erasure prevention switch. No operation to recording mode while "LOW" is input.
72	SAFETY SW	I	
73	SV S. DATA	O	Output 8-bit X 4 serial data giving operation mode and tracking data, etc., to digital servo IC.
74	OSD CS	O	Chip enable (access) signal output to OSD IC.
75	SV S CLK	O	The clock pulse for digital servo IC.
76	COMMON DATA	I/O	Terminal for communication of respective data with OSD IC, audio IC, and CH+ I/O selection IC.
77	I2C SDA	I/O	Data exchange with tuning data memory (I2C) IC.
78	COMMON CLK	O	The clock pulse for OSD IC, I2C IC, and audio IC.
79	CLK ADJ	-	1024 Hz signal for clock time adjustment.
80	PLL CS	O	Chip enable signal output to PLL tuning system IC. (F-syn model)
	PWM	O	Tuning voltage output (PWM signal). (V-syn model)
81	ASO +	O	Video picture quality selection signal.
82	TU SOUND	O	TV sound system (I/BG, I/DK etc.) indication.
83	PLL†DATA	O	Data exchange with PLL tuning system IC.(For F-syn)
	BAND 1	O	Tuning band data output (BAND 1/BAND 2).
84	BAND 2	O	(L,L)=VHF-LOW (L,H)=VHF-HIGH (H,L)=UHF (H,H)=SKIP.† (For V-syn. model)
	PLL†CLK	O	The clock pulse for PLL tuning system IC.(For F-syn)
85	CH PLUS CLK	O	The clock pulse for CH+ input/output selection IC. (For CH + model only)
	AV 1 / AV 2	O	External input source (AV 1/2) selection signal.
86	INPUT SEL. V	O	Video input source (TU/AV) selection signal.
	FSS IN	I	CH + mode indication signal. (For CH + model only)
87	WIDE ASPECT ON	O	Video wide aspect system selection signal.
88	A NOR REC	O	Signal for indicate the full erase oscillation.
89	VSS	-	IC ground terminal.
90	VDD	-	IC power supply input.(5Vdc)
91	ML- F	O	Loading motor rotation direction (FWD) indication signal.
92	ML- R	O	Loading motor rotation direction (REV) indication signal.
93	ML- L	O	Loading motor rotation speed (low speed) indication signal.
94	ML- M	O	Loading motor rotation speed (medium speed) indication signal.
95	REC H	O	Signal for indicating recording mode.
96	PB H	O	Signal for indicating playback mode.
97	TUNER A MUTE	O	Signal for disable the tuner audio signal.
98	HIFI LO	I	Signal for indicating Hi-Fi mode.
99	AV CTL or ANT/VTR	O	AV terminal (pin8 of 21pin AV socket) control or the ANT/VTR selection signal terminal.
100	POWER UP	O	"HIGH" output except when power is off. Indicating that power is ON.

TP4H_TTS

2-12. CP-1 BOARD (SY-A, SV-A) SYSTEM CONTROL & SERVO



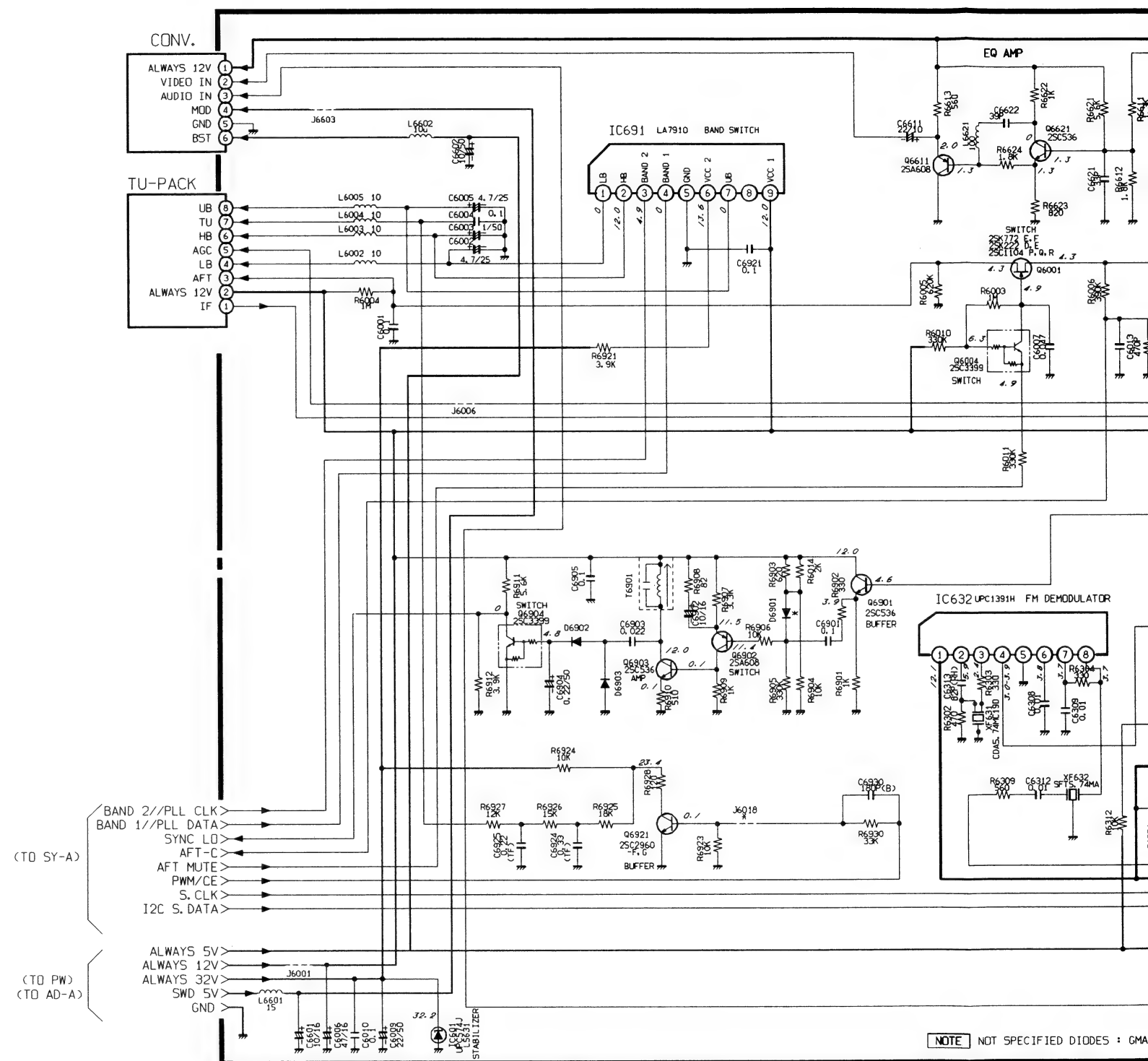
2-13. SERVO CIRCUIT WAVEFORMS (IC351: XRU2890 Series)

TEST LOCATION	WAVEFORM & MODE/LEVEL	TEST LOCATION	WAVEFORM & MODE/LEVEL
Pin 40 (H.A.SWITCHING)	 SLOW PB 20msec 20msec 5.0V	Pin 15 (CTL PULSE)	 REC 24msec 16msec 5.0V
Pin 42 (PWM)	 8.66KHz 5.0V	Pin 15 (CTL PULSE)	 PB 850µsec 40msec 5.0V
Pin 41, 44, 1 (PWM)	 69.27KHz 5.0V	Pin 21 (CTL HEAD-)	 REC 24msec 16msec 3.6V
Pin 3 (FSC INPUT)	 4.43MHz 0.3Vp-p	Pin 22 (CTL HEAD+)	 REC 24msec 16msec 3.6V
Pin 5 (ROTARY)	 20msec 20msec 5.0V	Pin 26 (CTL AMP OUT)	 PB 40msec 2Vp-p
Pin 8 (D-PG MM)	 2msec 7msec 2.5V	Pin 28 (C-FG INPUT)	 0.66msec 10mVp-p
Pin 9 (RF SW PULSE)	 20msec 20msec 5.0V	Pin 29 (D-FG INPUT)	 1.33msec 30mVp-p
Pin 10 (AF SW PULSE)	 20msec 20msec 5.0V	Pin 30 (D-PG INPUT)	 40msec 250mVp-p
Pin 11 (COMPOSITE SYNC INPUT)	 T=20msec 4.2V	Pin 38 (ENV.SW INPUT)	 SLOW PB 20msec 20msec 4.0V
Pin 14 (C-FG PULSE)	 1513Hz 5.0V		

WF-S-TP4

2-14. CP-1 BOARD (TN-A, CV-A) TUNER IF, RF CONVERTER CONNECTION, & STEREO

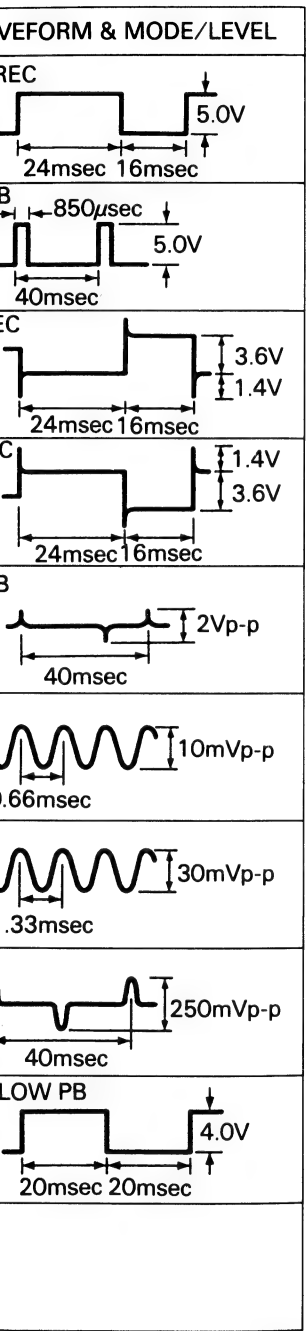
Note: The TN-A circuit diagrams for the model VCR 3784 HIFI N/SV
The TN-A circuit diagrams for the model VCR 3784 HIFI UK/V



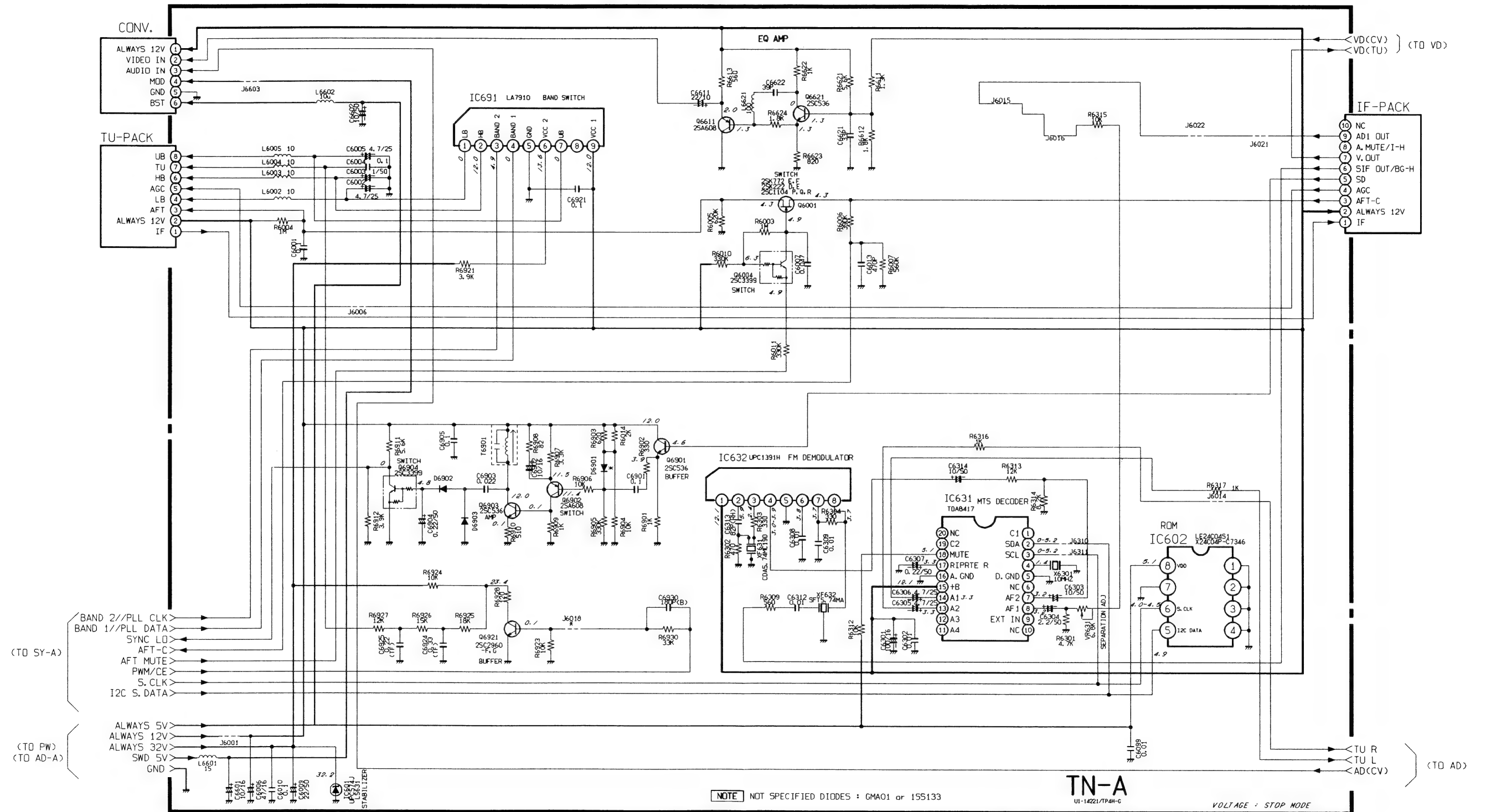
2-14. CP-1 BOARD (TN-A, CV-A) TUNER IF, RF CONVERTER CONNECTION, & STEREO (MTS) DECODER (VCR 3784 HIFI VPS/SV)

Note: The TN-A circuit diagrams for the model VCR 3784 HIFI N/SV is shown in page 45.

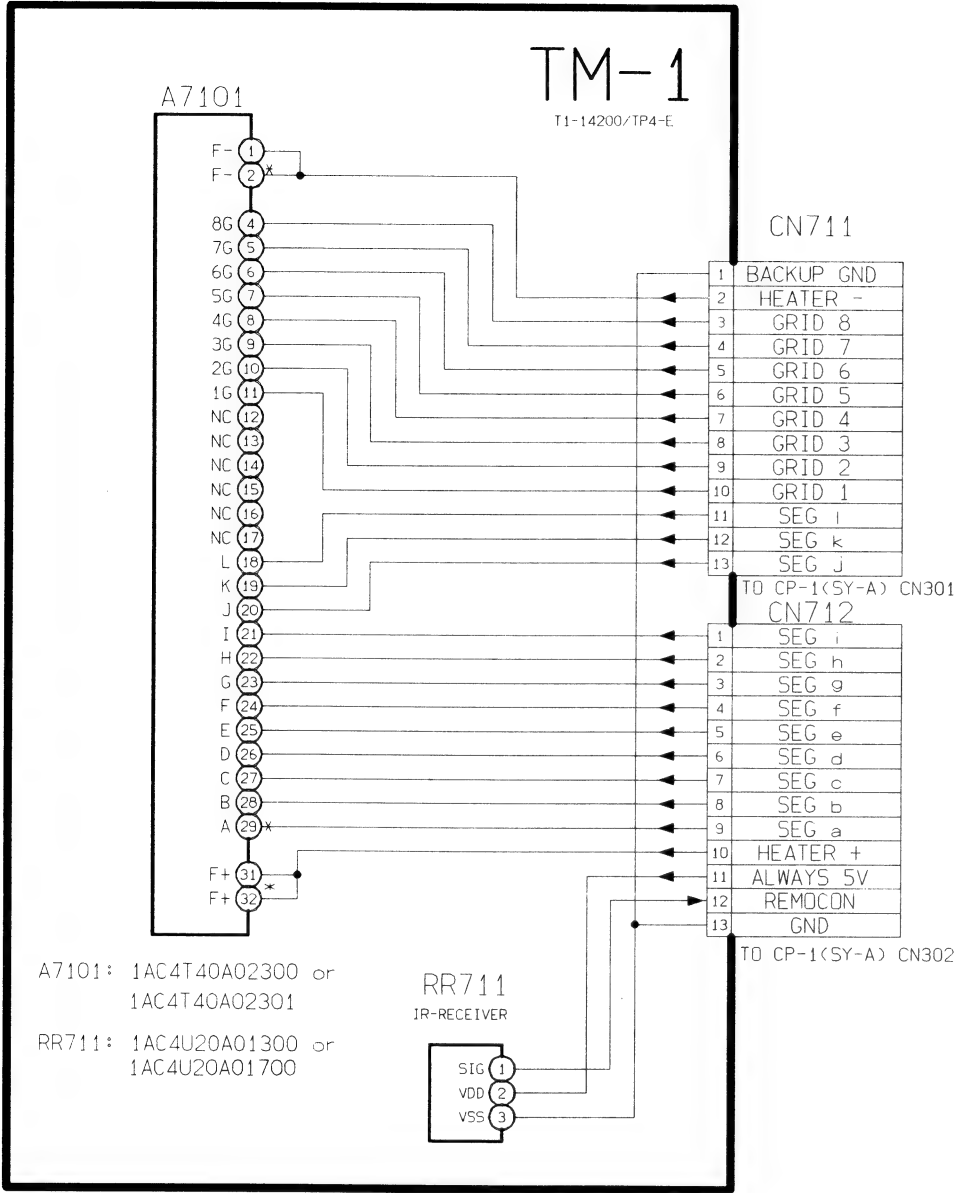
The TN-A circuit diagrams for the model VCR 3784 HIFI UK/VP is shown in page 47.



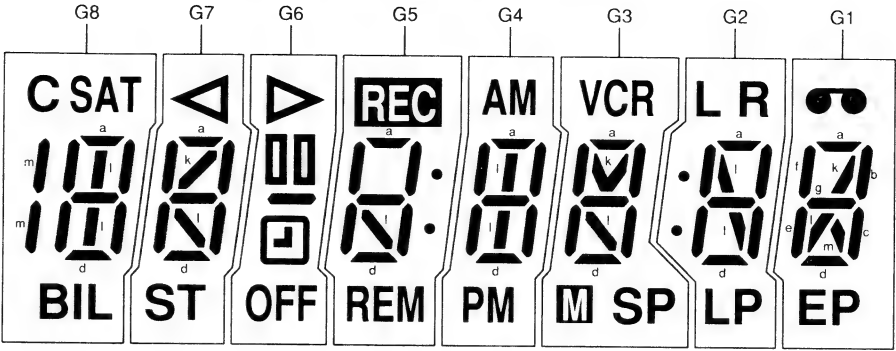
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2-15. TM-1 BOARD DISPLAY (FLD)



GRID & SEGMENT ASSIGNMENT

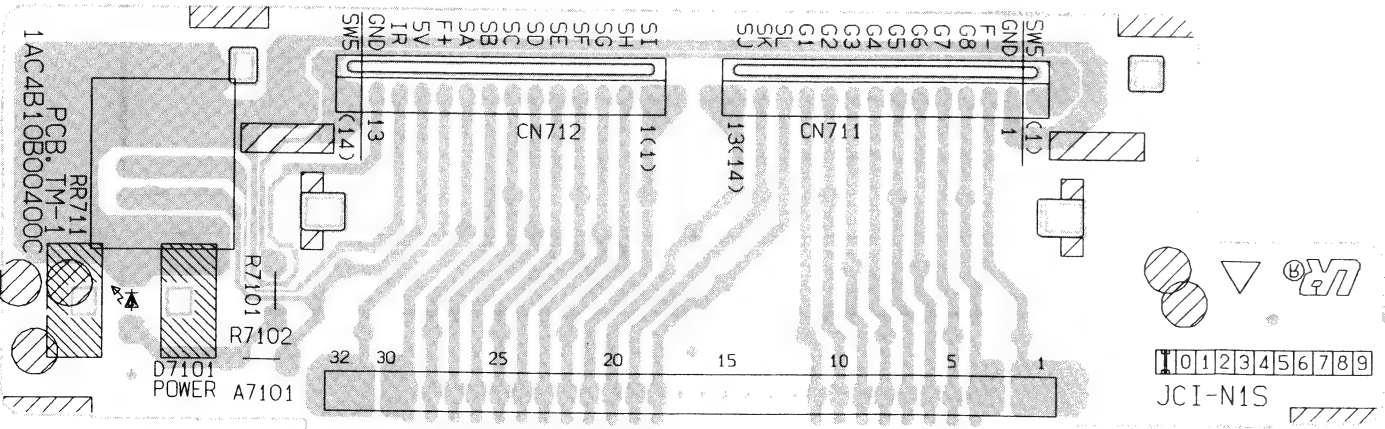


ANODE CONNECTION

GRID	G8	G7	G6	G5	G4	G3	G2	G1
a	C	◀	▶	REC	AM	VCR	L	◀
b	SAT	k	◻	—	—	k	R	k
c	a	a	—	a	a	a	a	a
d	b	b	◻	b	b	b	b	b
e	c	c	—	c	c	c	c	c
f	d	d	—	d	d	d	d	d
g	e	e	—	e	e	e	e	e
h	f	f	—	f	f	f	f	f
i	g	g	—	g	g	g	g	g
j	h	h	—	h	h	h	h	h
k	m	—	—	—	—	M	—	m
l	BIL	ST	OFF	REM	PM	SP	LP	EP

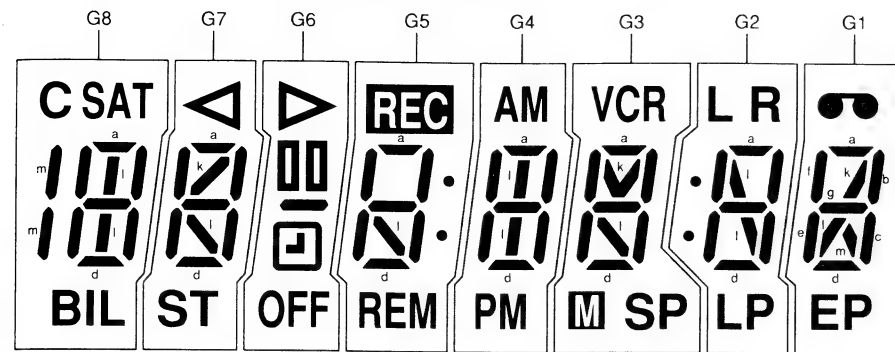
GR-02300

2-16. TM-1 P.W.B.



JCI-N1S

A) CN302



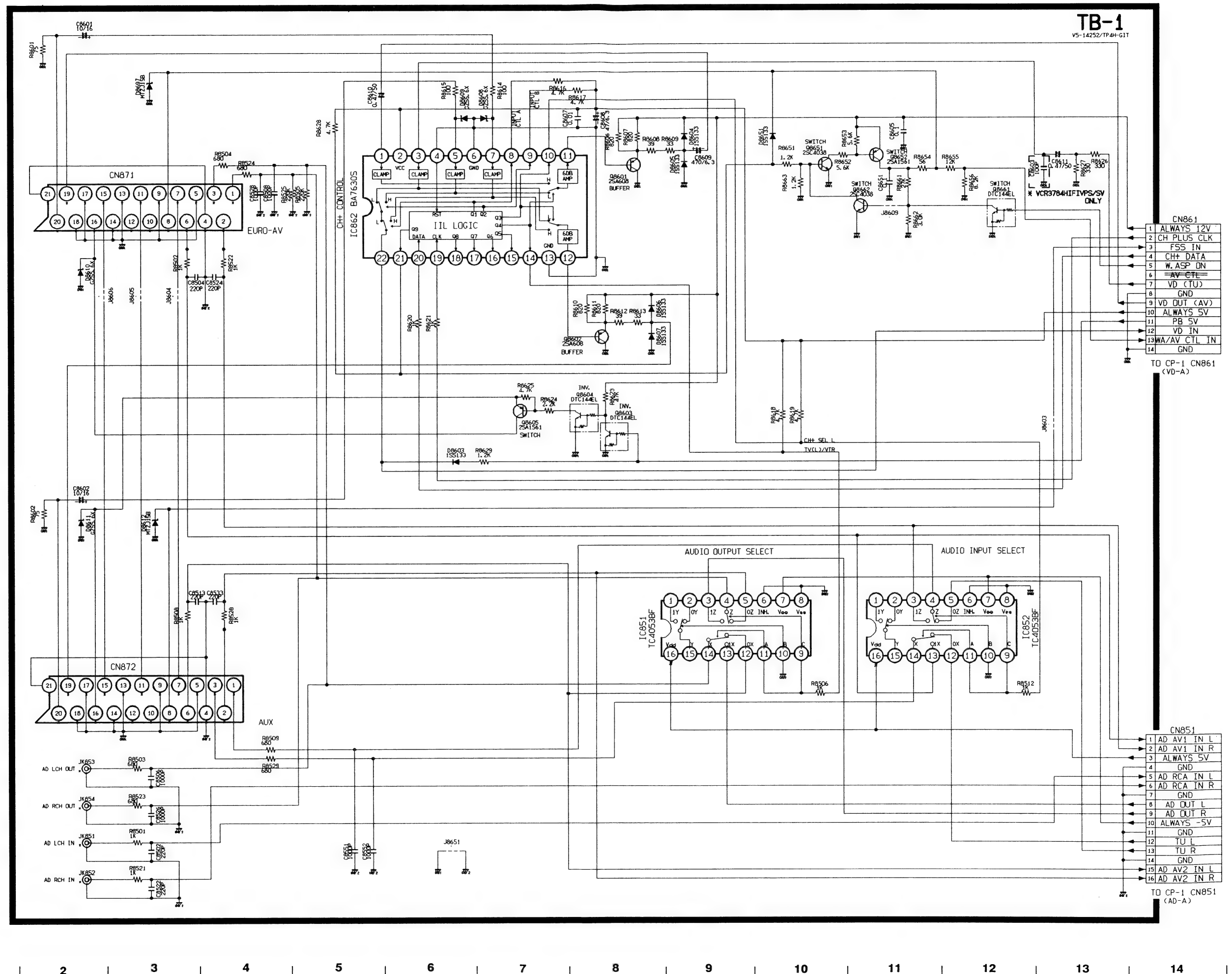
GR-02300

GRID SEGMENT	G8	G7	G6	G5	G4	G3	G2	G1
a	C			REC	AM	VCR	L	
b	SAT	k		—	—	k	R	k
c	a	a	—	a	a	a	a	a
d	b	b		b	b	b	b	b
e	c	c	—	c	c	c	c	c
f	d	d	—	d	d	d	d	d
g	e	e	—	e	e	e	e	e
h	f	f	—	f	f	f	f	f
i	g	g	—	g	g	g	g	g
j	l	l	—	l	l	l	l	l
k	m	—	—	:	—	M	:	m
l	BIL	ST	OFF	REM	PM	SP	LP	EP

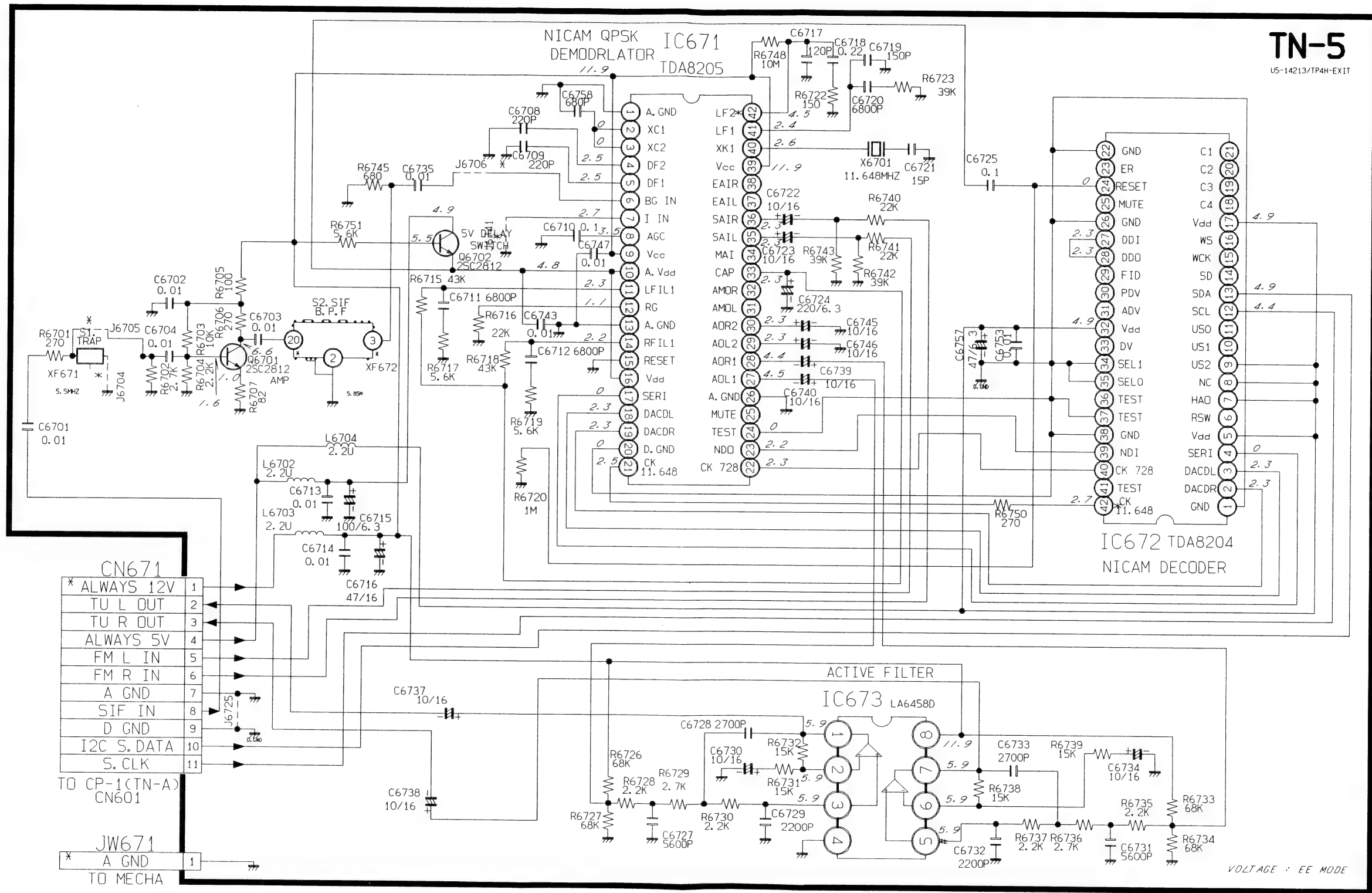
The diagram is a detailed electronic schematic, oriented vertically. At the top, there is a power supply section with components like C8602, R8615, and C8610. Below this is a tuning circuit section featuring various capacitors (C8607, C8609, C8605, C8606, C8607, C8608, C8609, C8610, C8611, C8612, C8613, C8614, C8615, C8616, C8617, C8618, C8619, C8620, C8621, C8622, C8623, C8624, C8625, C8626, C8627, C8628, C8629, C8630, C8631, C8632, C8633, C8634, C8635, C8636, C8637, C8638, C8639, C8640, C8641, C8642, C8643, C8644, C8645, C8646, C8647, C8648, C8649, C8650, C8651, C8652, C8653, C8654, C8655, C8656, C8657, C8658, C8659, C8660, C8661, C8662, C8663, C8664, C8665, C8666, C8667, C8668, C8669, C8670, C8671, C8672, C8673, C8674, C8675, C8676, C8677, C8678, C8679, C8680, C8681, C8682, C8683, C8684, C8685, C8686, C8687, C8688, C8689, C8690, C8691, C8692, C8693, C8694, C8695, C8696, C8697, C8698, C8699, C8700, C8701, C8702, C8703, C8704, C8705, C8706, C8707, C8708, C8709, C8710, C8711, C8712, C8713, C8714, C8715, C8716, C8717, C8718, C8719, C8720, C8721, C8722, C8723, C8724, C8725, C8726, C8727, C8728, C8729, C8730, C8731, C8732, C8733, C8734, C8735, C8736, C8737, C8738, C8739, C8740, C8741, C8742, C8743, C8744, C8745, C8746, C8747, C8748, C8749, C8750, C8751, C8752, C8753, C8754, C8755, C8756, C8757, C8758, C8759, C8760, C8761, C8762, C8763, C8764, C8765, C8766, C8767, C8768, C8769, C8770, C8771, C8772, C8773, C8774, C8775, C8776, C8777, C8778, C8779, C8780, C8781, C8782, C8783, C8784, C8785, C8786, C8787, C8788, C8789, C8790, C8791, C8792, C8793, C8794, C8795, C8796, C8797, C8798, C8799, C8800, C8801, C8802, C8803, C8804, C8805, C8806, C8807, C8808, C8809, C8810, C8811, C8812, C8813, C8814, C8815, C8816, C8817, C8818, C8819, C8820, C8821, C8822, C8823, C8824, C8825, C8826, C8827, C8828, C8829, C8830, C8831, C8832, C8833, C8834, C8835, C8836, C8837, C8838, C8839, C8840, C8841, C8842, C8843, C8844, C8845, C8846, C8847, C8848, C8849, C8850, C8851, C8852, C8853, C8854, C8855, C8856, C8857, C8858, C8859, C8860, C8861, C8862, C8863, C8864, C8865, C8866, C8867, C8868, C8869, C8870, C8871, C8872, C8873, C8874, C8875, C8876, C8877, C8878, C8879, C8880, C8881, C8882, C8883, C8884, C8885, C8886, C8887, C8888, C8889, C8890, C8891, C8892, C8893, C8894, C8895, C8896, C8897, C8898, C8899, C8900, C8901, C8902, C8903, C8904, C8905, C8906, C8907, C8908, C8909, C8910, C8911, C8912, C8913, C8914, C8915, C8916, C8917, C8918, C8919, C8920, C8921, C8922, C8923, C8924, C8925, C8926, C8927, C8928, C8929, C8930, C8931, C8932, C8933, C8934, C8935, C8936, C8937, C8938, C8939, C8940, C8941, C8942, C8943, C8944, C8945, C8946, C8947, C8948, C8949, C8950, C8951, C8952, C8953, C8954, C8955, C8956, C8957, C8958, C8959, C8960, C8961, C8962, C8963, C8964, C8965, C8966, C8967, C8968, C8969, C8970, C8971, C8972, C8973, C8974, C8975, C8976, C8977, C8978, C8979, C8980, C8981, C8982, C8983, C8984, C8985, C8986, C8987, C8988, C8989, C8990, C8991, C8992, C8993, C8994, C8995, C8996, C8997, C8998, C8999, C9000, C9001, C9002, C9003, C9004, C9005, C9006, C9007, C9008, C9009, C9010, C9011, C9012, C9013, C9014, C9015, C9016, C9017, C9018, C9019, C9020, C9021, C9022, C9023, C9024, C9025, C9026, C9027, C9028, C9029, C9030, C9031, C9032, C9033, C9034, C9035, C9036, C9037, C9038, C9039, C9040, C9041, C9042, C9043, C9044, C9045, C9046, C9047, C9048, C9049, C9050, C9051, C9052, C9053, C9054, C9055, C9056, C9057, C9058, C9059, C9060, C9061, C9062, C9063, C9064, C9065, C9066, C9067, C9068, C9069, C9070, C9071, C9072, C9073, C9074, C9075, C9076, C9077, C9078, C9079, C9080, C9081, C9082, C9083, C9084, C9085, C9086, C9087, C9088, C9089, C9090, C9091, C9092, C9093, C9094, C9095, C9096, C9097, C9098, C9099, C9100, C9101, C9102, C9103, C9104, C9105, C9106, C9107, C9108, C9109, C9110, C9111, C9112, C9113, C9114, C9115, C9116, C9117, C9118, C9119, C9120, C9121, C9122, C9123, C9124, C9125, C9126, C9127, C9128, C9129, C9130, C9131, C9132, C9133, C9134, C9135, C9136, C9137, C9138, C9139, C9140, C9141, C9142, C9143, C9144, C9145, C9146, C9147, C9148, C9149, C9150, C9151, C9152, C9153, C9154, C9155, C9156, C9157, C9158, C9159, C9160, C9161, C9162, C9163, C9164, C9165, C9166, C9167, C9168, C9169, C9170, C9171, C9172, C9173, C9174, C9175, C9176, C9177, C9178, C9179, C9180, C9181, C9182, C9183, C9184, C9185, C9186, C9187, C9188, C9189, C9190, C9191, C9192, C9193, C9194, C9195, C9196, C9197, C9198, C9199, C9200, C9201, C9202, C9203, C9204, C9205, C9206, C9207, C9208, C9209, C9210, C9211, C9212, C9213, C9214, C9215, C9216, C9217, C9218, C9219, C9220, C9221, C9222, C9223, C9224, C9225, C9226, C9227, C9228, C9229, C9230, C9231, C9232, C9233, C9234, C9235, C9236, C9237, C9238, C9239, C9240, C9241, C9242, C9243, C9244, C9245, C9246, C9247, C9248, C9249, C9

2-19. TB-1 BOARD TERMINAL & INPUT/OUTPUT SELECTION (VCR 3784 HIFI VPS/SV & VCR 3784 HIFI N/SV)

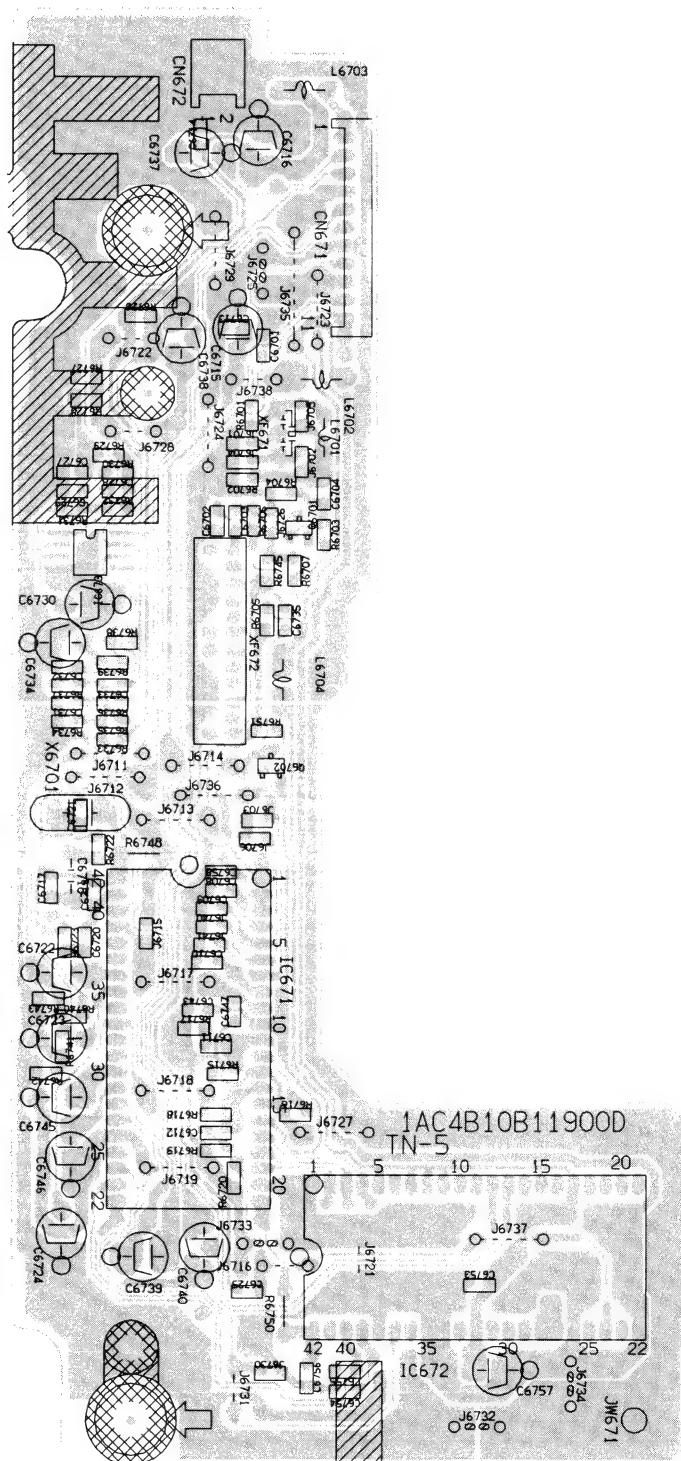
Note: The TB-1 circuit diagrams for the model VCR 3784 HIFI UK/VP is shown in page 43.



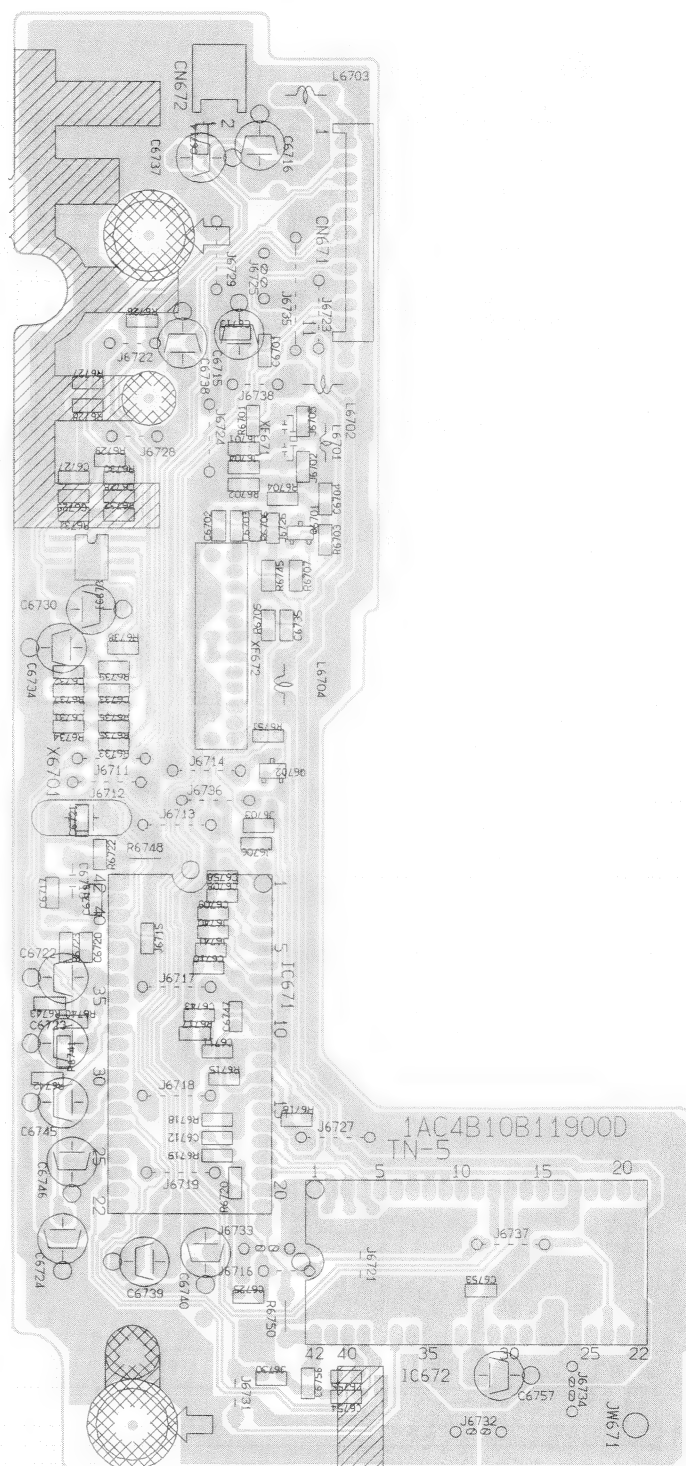
2-20. TN-5 BOARD NICAM (VCR 3784 HIFI N/SV)



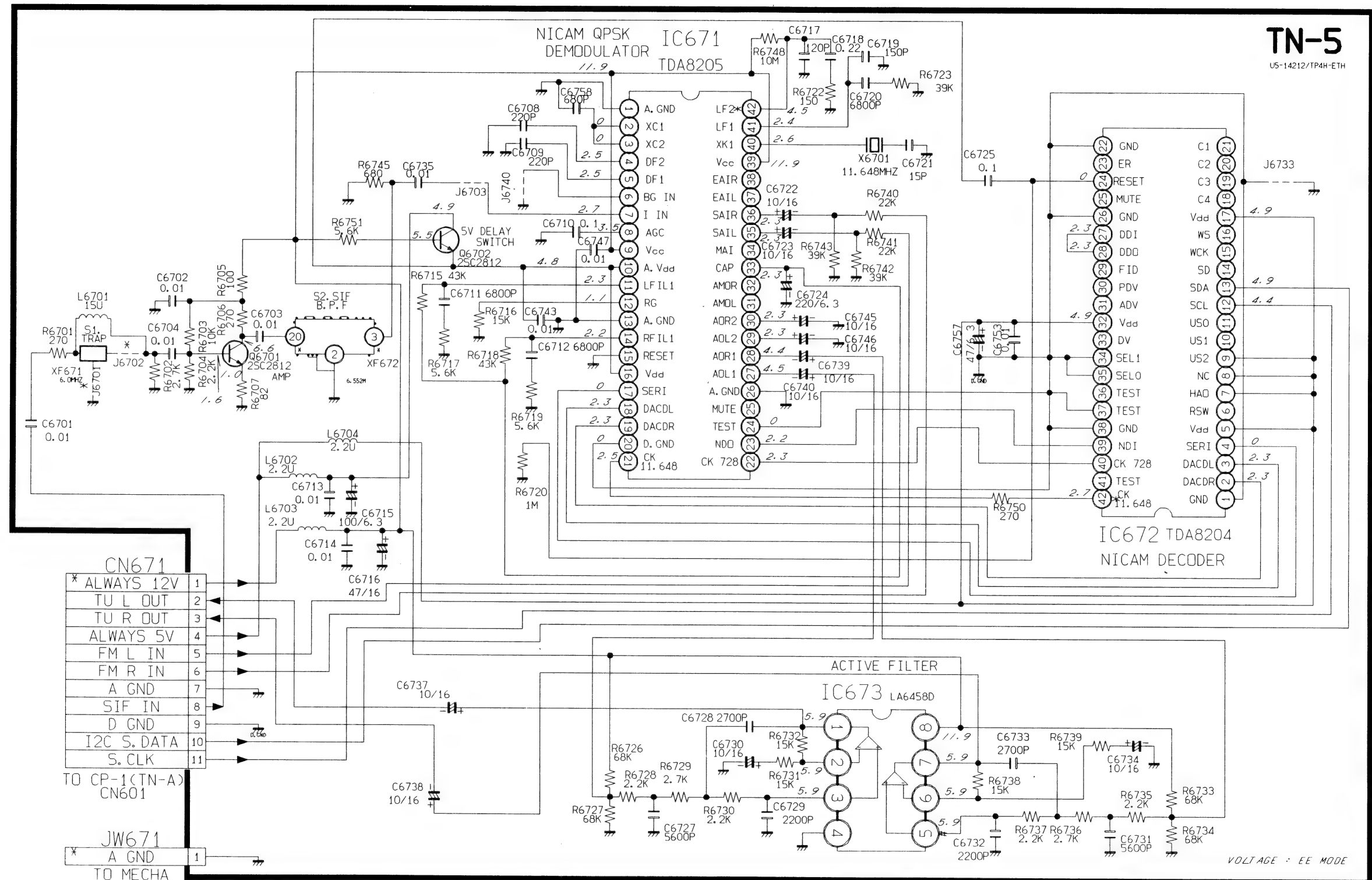
A vertical scale with labels A through K. The scale is a vertical line with horizontal tick marks. The labels are placed to the left of the line, aligned with the tick marks. The labels are: A, B, C, D, E, F, G, H, I, J, K.



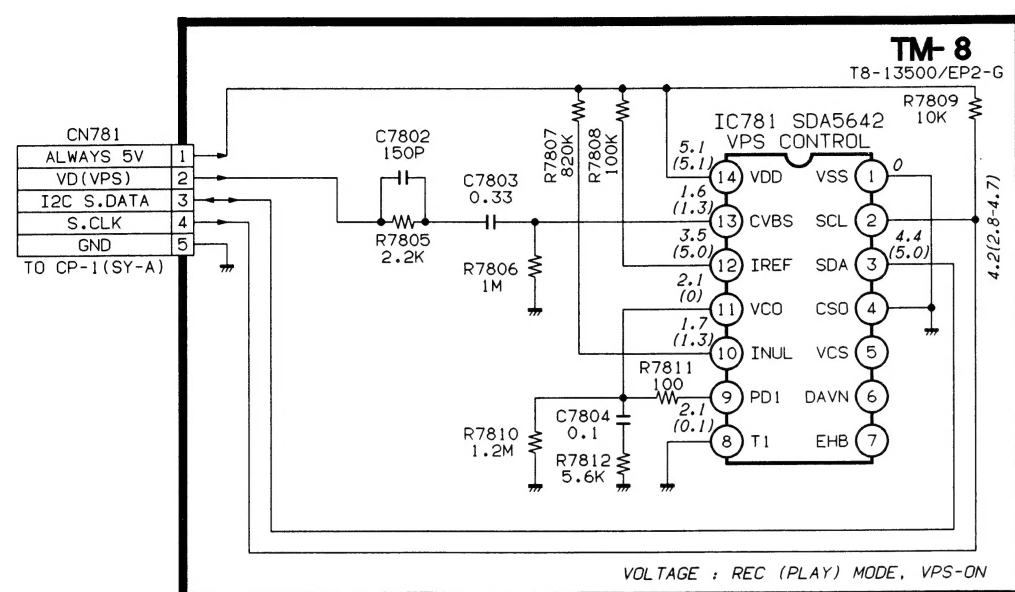
A vertical scale with labels A, B, C, D, E, F, G, H, I, J, and K. Each label is positioned to the left of a horizontal tick mark that extends to the right. The labels are in a bold, sans-serif font.



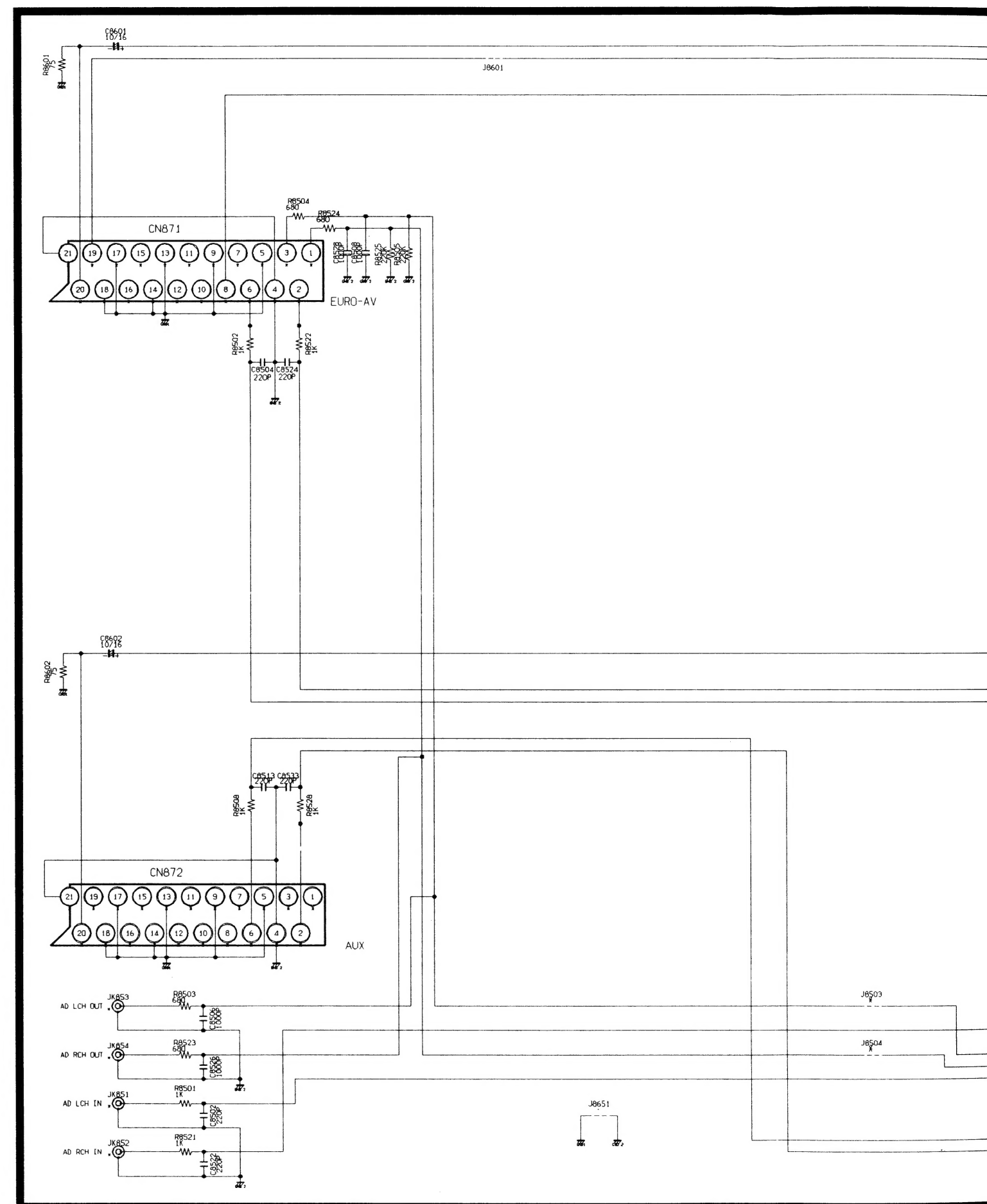
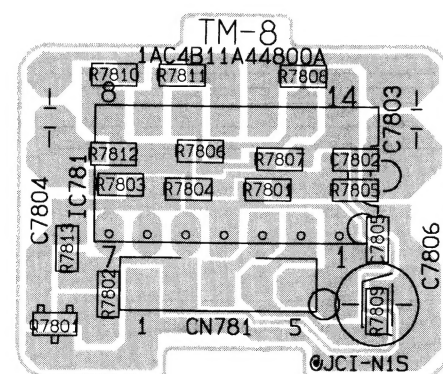
2-22. TN-5 BOARD NICAM (VCR 3784 HIFI UK/VP)



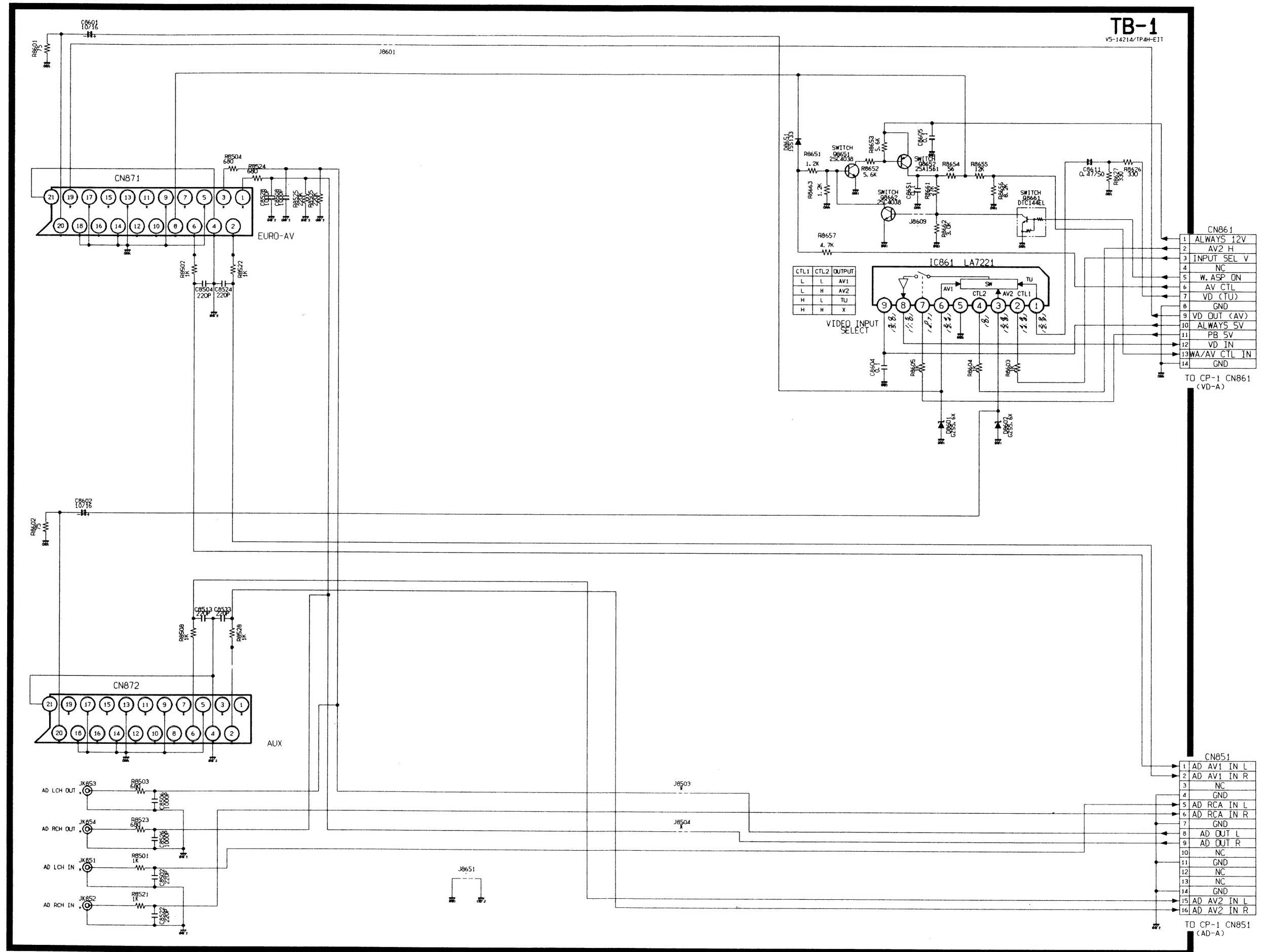
2-23. TM-8 BOARD VPS (VCR 3784 HIFI VPS/SV ONLY)



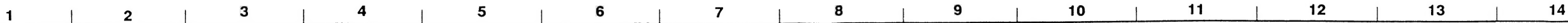
2-24. TM-8 P.W.B. (VCR 3784 HIFI VPS/SV ONLY)



2-25. TB-1 BOARD TERMINAL & INPUT SELECTIN (VCR 3784 HIFI UK/VP)



A B C D E F G H I J K



A vertical scale with labels A through K. The scale is a vertical line with horizontal tick marks. The labels are placed to the right of the line, aligned with the tick marks. The labels are: A, B, C, D, E, F, G, H, I, J, K.

